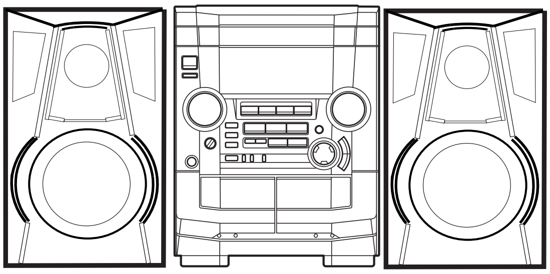
aiwa SERVICE

NSX-BL54 EZ,K,HS,HR
NSX-BL56 EZ



SERVICE MANUAL

COMPACT DISC
STEREO SYSTEM

BASIC TAPE MECHANISM : 2ZM-3MK2 PR4NM(HS/HR)
BASIC TAPE MECHANISM : 6ZM-3 PR2NM(K/EZ)
BASIC CD MECHANISM : AZG-1 YKZA3RDF(HS/HR)
BASIC CD MECHANISM : AZG-1 YKZD8RDF(K/EZ)

SYSTEM	CD CASSEIVER	SPEAKER	REMOTE CONTROLLER
NSX–BL54	CX–NBL54	SX–WNBL53	RC–ZAS01
NSX–BL56	CX–NBL56	SX–WNBL56	RC–ZAS01

- This Service Manual is the "Revision Publishing" and replaces "Simple Manual" NSX-BL54 <EZ,K> & NSX-BL56<EZ> (S/M Code No. 09-002-429-5T1).
- If requiring information about the CD mechanism, see Service Manual of AZG-1, YKZD8RDF(S/M Code No. 09-001-335-3N6)/YKZA3RDF(S/M Code No. 09-001-335-3NC).

REVISION DATA

aiwa

S/M Code No. 09-002-429-5R1

SPECIFICATIONS

Main unit CX-NBL54, CX-NBL56

FM tuner section

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity (IHF)	16.8 dBf <EZ, K> 13.2 dBf <HS, HR>
Antenna terminal	75 ohms (unbalanced)

AM (MW) tuner section

Tuning range	531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)
Usable sensitivity	350 µV/m
Antenna	Loop antenna

LW tuner section <EZ, K>

Tuning range	144 kHz to 290 kHz
Usable sensitivity	1400 µV/m
Antenna	Loop antenna

SW tuner section <HR>

Tuning range	5.730 MHz to 17.900 MHz
Antenna	Wire antenna

Amplifier section

Mid-high frequency amplifier

Power output	Rated: 20 W + 20 W (8 ohms, T.H.D. 1 %, 1 kHz/DIN 45500) Reference : 25 W + 25 W (8 ohms, T.H.D. 10 %, 1 kHz/DIN 45324) DIN MUSIC POWER: 40 W + 40 W<EZ>
Total harmonic distortion	0.1 % (10 W, 1 kHz, 8 ohms, DIN AUDIO)

Low frequency amplifier

Power output	Rated: 60 W + 60 W (6 ohms, T.H.D. 1 %, 130 Hz/DIN 45500) Reference : 75 W + 75 W (6 ohms, T.H.D. 10 %, 130 Hz/DIN 45324) DIN MUSIC POWER: 130 W + 130 W <EZ>
Total harmonic distortion	0.1 % (30W, 130 Hz, 6 ohms, DIN AUDIO)
Inputs	VIDEO/AUX: 500 mV MIC: 1.0 mV (10 k ohms) <HS, HR>
Outputs	SPEAKERS HIGH FREQ: accept speakers of 8 ohms or more SPEAKERS LOW FREQ: accept speakers of 6 ohms or more SURROUND SPEAKERS: accept speakers of 8 ohms to 16 ohms PHONES (stereo jack): accepts headphones of 32 ohms or more

Cassette deck section

Track format	4 tracks, 2 channels stereo
Frequency response	50 Hz – 15000 Hz
Recording system	AC bias
Heads	Deck 1: Playback head x 1 Deck 2: Recording/playback head x 1, erase head x 1

Compact disc player section

Laser	Semiconductor laser (λ = 780 nm)
D-A converter	1 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.05 % (1 kHz, 0 dB)
Wow and flutter	Unmeasurable

General

Power requirements	220 V AC, 60 Hz <HS> 230 V AC, 50 Hz <EZ, K> 120 V/220-230 V/240 V AC switchable, 50/60 Hz <HR>
Power consumption	150 W
Power consumption in standby mode	If the power-economizing mode is ECO OFF: 20 W If the power-economizing mode is ECO ON or ECO AUTO: 0.9 W
Dimensions of main unit (W x H x D)	260 x 326 x 345 mm
Weight of main unit	9.0 kg

Speaker system SX-WNBL53, SX-WNBL56

Speaker system	3 way, Built-in subwoofer (magnetic shielded type)
Speaker units	Subwoofer: 160 mm cone type Full range: 100 mm cone type Super tweeter: 20 mm ceramic type
Impedance	6 ohms/8 ohms
Sensitvity	87 dB/W/m
Dimensions (W x H x D)	230 x 324 x 282 mm
Weight	4.8 kg

- Design and specifications are subject to change without notice.
- The word “BBE” and the “BBE symbol” are trademarks of BBE Sound, Inc.
- Under license from BBE Sound, Inc.

ACCESSORIES LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

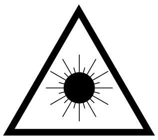
	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
	1	8A-NFJ-905-010		IB,K(E)M<K>
	1	8A-NFJ-906-010		IB,EZ(9L)M 54<4EZ>
	1	8A-NFJ-916-010		IB,EZ(9L)M 56 RDS<6EZ>
	1	8A-NFJ-901-010		IB,H(ECA)M<HR>
	2	8Z-NF8-702-010		RC UNIT,RC-ZAS01
	3	87-006-268-010		ANT,LOOP AM<EXCEPT HR>
	3	87-006-269-010		ANT,LOOP AM<HR>
	4	87-A90-118-010		ANT,WIRE FM(Z)<K,4EZ,6EZ>
	4	87-043-115-010		FEEDER-ANT,FM<HS,HR>
	5	87-A90-119-010		ANT,WIRE SW(5M)<HR>
⚠	6	87-A91-017-010		PLUG,CONVERSION JT-0476<HR>
⚠	6	87-099-811-010		PLUG,ADPTR CONV(K)<K>
	7	87-B30-274-010		BAT,R6P ATC<HS>

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynling laserståling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

VARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

ATTENTION

L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL!

Usynlig laserståling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

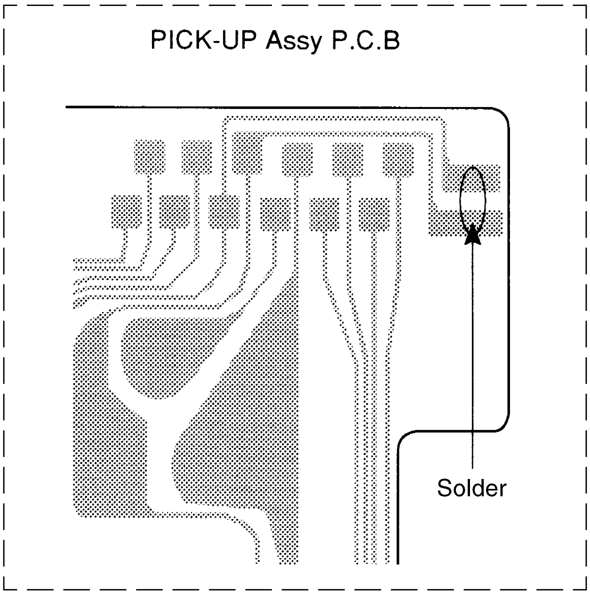
CLASS 1	LASER PRODUCT
KLASSE 1	LASER PRODUKT
LUOKAN 1	LASER LAITE
KLASS 1	LASER APPARAT

Precaution to replace Optical block

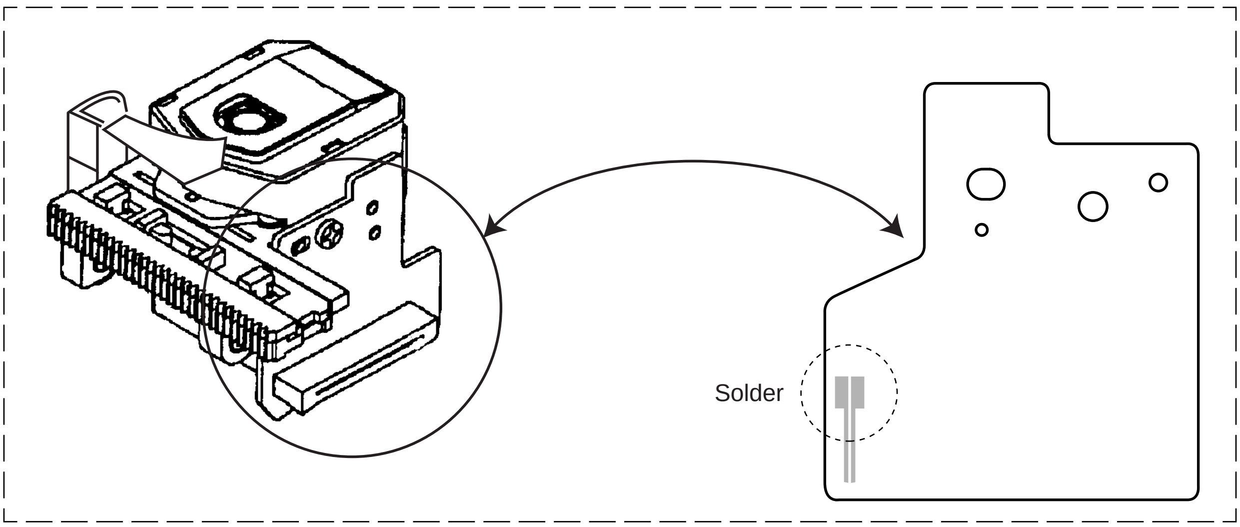
Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

1) After the connection, remove solder shown in the figure below.

ZA3/ZA4 MODEL(KSS-213F)



ZA8/ZD8 MODEL



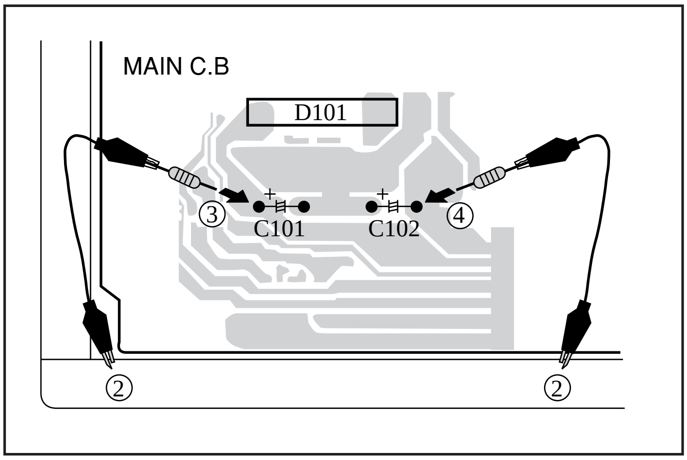
NOTE ON BEFORE STARTING REPAIR

1. Forced discharge of electrolytic capacitor of power supply block

When repair is going to be attempted in the set that uses relay circuit in the power supply block, electric potential is kept charged across the electrolytic capacitors (C101, 102) even though AC power cord is removed. If repair is attempted in this condition, secondary defect can occur.
In order to prevent the secondary trouble, perform the following measures before starting repair work.

Discharge procedure

① Remove the AC power cord.
② Connect a discharging resistor at an end of lead wire that has clips at both ends. Connect the other end of the lead wire to metal chassis.
③ Contact the other end of the discharging resistor to the positive (+) side (+VH) of C101. (For two seconds)
④ Contact the same end of the discharging resistor as step **3** to the negative (-) side (-VH) of C102 in the same way. (For two seconds)
⑤ Check that voltage across C101 and C102 has decreased to 1 V or less using a multimeter or an oscilloscope.



Select a discharging resistor referring to the following table.

Charging voltage (V) (C101, 102)	Discharging resistor (Ω)	Rated power (W)	Parts number
25-48	100	3	87-A00-247-090
49-140	220	5	87-A00-232-090

Note: The reference numbers (C101, C102) of the electrolytic capacitors can change depending on the models. Be sure to check the reference numbers of the charging capacitors on schematic diagram before starting the discharging work.

2. Check items before exchanging the MICROCOMPUTER

Be sure to check the following items before exchanging the MICROCOMPUTER. Exchange the MICROCOMPUTER after confirming that the MICROCOMPUTER is surely defective.

2-1. Regarding the HOLD terminal of the MICROCOMPUTER

When the HOLD terminal (INPUT) of the MICROCOMPUTER is "H", the MICROCOMPUTER is judged to be operating correctly. When this terminal is "L", the main power cannot be turned on. Therefore, be sure to check the terminal voltage of the HOLD terminal before exchange.
When the MICROCOMPUTER is not defective, the HOLD terminal can also go "L" when the POWER AMPLIFIER has any abnormalities that triggers the abnormality detection circuit on the MAIN C. B. that sets the HOLD terminal to "L".

- Good or no good judgement of the MICROCOMPUTER

① Turn on the AC main power.
② Confirm that the main power is turned on and the HOLD terminal of the MICROCOMPUTER keeps the "H" level or not.
③ When the HOLD terminal is "L" level, the abnormality detection circuit is judged to be working correctly and the MICROCOMPUTER is judged to be good.

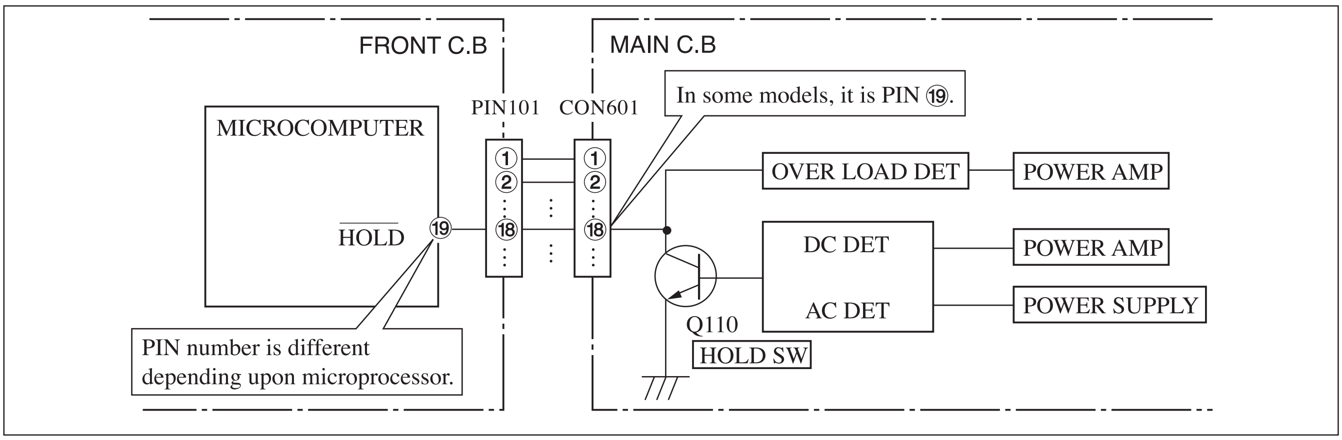


Fig-2-1

In such a case, check also if the POWER AMPLIFIER circuit or power supply circuit has any abnormalities or not.

2-2. Regarding reset

There are cases that the machine does not work correctly because the MICROCOMPUTER is not reset even though the AC power cord is re-inserted, or the software reset (pressing the STOP key + POWER key) is performed.
When the above described phenomenon occurs, it can lead to wrong judgement as if the MICROCOMPUTER is defective and to exchange the MICROCOMPUTER. In such a case, perform the forced-reset by the following procedure and check good or no good of the MICROCOMPUTER.

① Remove the AC power cord.

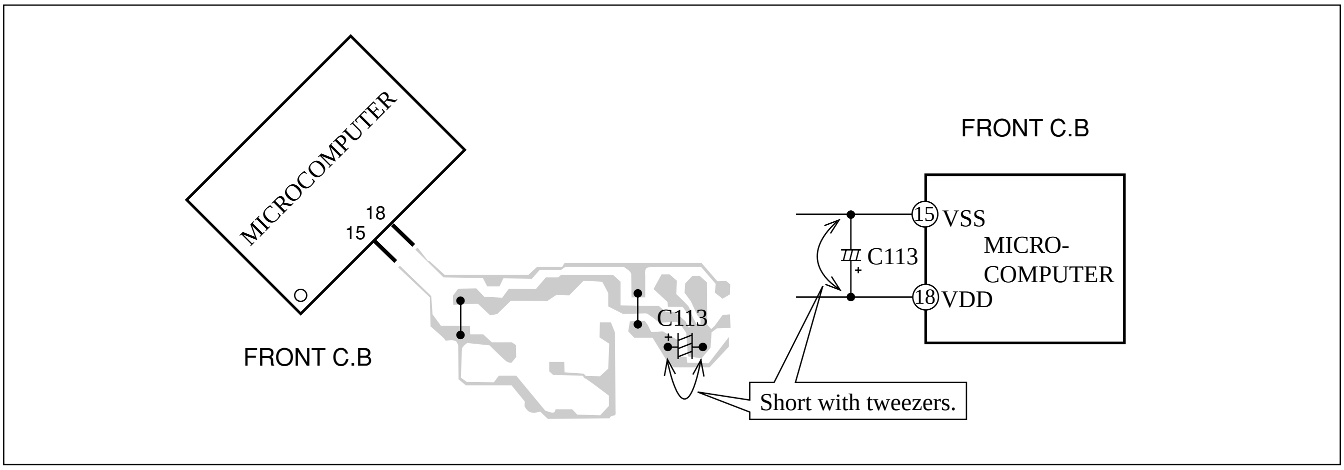


Fig-2-2

② Short both ends of the electrolytic capacitor C113 that is connected to VDD of the MICROCOMPUTER with tweezers.

③ Connect the AC power cord again. If the MICROCOMPUTER returns to the normal operation, the MICROCOMPUTER is good.

Note: The reference number or MICROCOMPUTER pin number of transistor (Q110) and electrolytic capacitor (C113) can change depending on the models. Be sure to check the reference numbers on schematic diagram before starting the discharging work.

2-3. Confirmation of soldering state of MICROCOMPUTER

Check the soldering state of the MICROCOMPUTER in addition to the above described procedures. Be sure to exchange the MICROCOMPUTER after surely confirming that the trouble is not caused by poor soldering but the MICROCOMPUTER itself.

ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

IC

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
	87-020-454-010		IC,DN6851
	87-A21-417-010		IC,STK490-310
	8A-NF8-614-110		C-IC,LC866560W-5P89<56EZ>
	8A-NF8-613-010		C-IC,LC866548V-5P87<EXCEPT 56EZ>
	87-A21-396-010		IC,STK490-040
	87-A21-629-010		IC,SPS-442-1-N
	87-A21-419-040		C-IC,NJM14558MD-TE2
	87-A21-577-040		C-IC,M61506FP<HR>
	87-A21-023-040		C-IC,BA3835F<EXCEPT HR>
	87-070-289-040		C-IC,BU2092F
	87-A21-401-040		C-IC,M61503FP
	87-A21-560-010		IC,LA1844L-A
	87-A20-440-040		C-IC,BU1920FS<56EZ>
	87-070-127-110		IC,LC72131D

TRANSISTOR

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
	87-026-451-080		TR,2SA933S<HS,HR>
	87-026-609-080		TR,KTA1266GR
	89-213-702-010		TR,2SB1370E
	87-026-610-080		TR,KTC3198GR
	87-A30-076-080		C-TR,2SC3052F
	87-A30-075-080		C-TR,2SA1235F
	87-026-245-080		TR,DTC114ES
	87-A30-198-080		TR,KTC3199GR
	87-A30-107-070		C-TR,CMBT5401
	87-A30-106-040		C-TR,CMBT5551
	87-A30-087-080		C-FET,2SK2158
	87-A30-074-080		C-TR,RT1P 141C
	87-A30-318-080		TR,CSA952K
	87-A30-091-080		FET,2SJ460
	87-A30-329-080		TR,CD1585BC
	87-A30-090-080		FET,2SK2541
	87-A30-104-080		C-TR,RT1N 441C
	87-A30-468-080		C-TR,KRC102S-RTK
	87-A30-484-080		C-TR,KRA102S
	89-333-317-880		TR,2SC3331(T/U)
	87-A30-269-040		C-FET,2SJ461-T1
	89-327-143-080		C-TR,2SC2714O
	87-A30-489-080		C-TR,KRA107S
	87-A30-072-080		C-TR,RT1P 144C<HR>
	87-A30-086-070		C-TR,CSD1306E<EXCEPT HS>
	89-503-602-080		C-FET,2SK360E<EXCEPT HS>
	87-A30-234-080		TR,CSC4115BC

DIODE

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
	87-A40-393-090		DIODE,1N5402GW(F20)
	87-020-465-080		DIODE,1SS133
	87-A40-547-090		DIODE,D5SBA20
	87-A40-455-080		DIODE,RL203 GW
	87-A40-553-080		DIODE,1N4003 LES
	87-A40-776-080		ZENER,UZ27BSD
	87-A40-764-080		ZENER,UZ10BSC
	87-A40-270-080		C-DIODE,MC2838
	87-A40-313-080		C-DIODE,MC2840
	87-A40-269-080		C-DIODE,MC2836
	87-A40-768-080		ZENER,UZ16BSA
	87-A40-752-080		ZENER,UZ6.2BSC
	87-A40-802-080		ZENER,UZ5.1BSC
	87-A40-739-080		ZENER,UZ2.7BSA
	87-017-149-080		ZENER,HZS6A2L

MAIN C.B

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C0003	87-012-368-080		C-CAP,S 0.1-50 Z F
C0004	87-012-368-080		C-CAP,S 0.1-50 Z F
C0005	87-012-368-080		C-CAP,S 0.1-50 Z F
C0006	87-012-368-080		C-CAP,S 0.1-50 Z F
C0009	87-012-368-080		C-CAP,S 0.1-50 Z F
C0010	87-012-368-080		C-CAP,S 0.1-50 Z F
C0011	87-012-368-080		C-CAP,S 0.1-50 Z F
C0012	87-012-368-080		C-CAP,S 0.1-50 Z F
C0015	87-012-368-080		C-CAP,S 0.1-50 Z F
C0016	87-012-368-080		C-CAP,S 0.1-50 Z F
C0017	87-012-368-080		C-CAP,S 0.1-50 Z F
C0018	87-012-368-080		C-CAP,S 0.1-50 Z F
C0019	87-016-520-000		CAP,E 3300-65 M SMG
C0020	87-016-520-000		CAP,E 3300-65 M SMG
C0021	87-016-051-000		CAP,E 2200-35 M SMG
C0022	87-016-051-000		CAP,E 2200-35 M SMG
C0023	87-016-658-000		CAP,E 4700-35 M SMG
C0024	87-016-658-000		CAP,E 4700-35 M SMG
C0025	87-010-408-080		CAP,E 47-50 M 11L SME
C0026	87-010-247-080		CAP,E 100-50 M SME
C0030	87-010-430-080		CAP,E 100-63
C0031	87-010-263-080		CAP,E 100-10 M 11L SME
C0032	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0034	87-010-260-080		CAP,E 47-25 M 11L SME
C0035	87-010-380-080		CAP,E 47-16 M 11L SME
C0036	87-010-381-080		CAP,E 330-16 M SME
C0038	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0060	87-010-403-080		CAP,E 3.3-50 M 11L SME
C0061	87-010-260-080		CAP,E 47-25 M 11L SME
C0101	87-010-183-080		C-CAP,S 2700P-50 K B GRM
C0102	87-010-183-080		C-CAP,S 2700P-50 K B GRM
C0103	87-010-545-080		CAP,E 0.22-50 M 11L SME
C0104	87-010-545-080		CAP,E 0.22-50 M 11L SME
C0107	87-010-405-080		CAP,E 10-50 M 11L SME
C0108	87-010-405-080		CAP,E 10-50 M 11L SME
C0109	87-010-179-080		C-CAP,S 1200P-50 K B GRM<HR>
C0110	87-010-179-080		C-CAP,S 1200P-50 K B GRM<HR>
C0111	87-010-405-080		CAP,E 10-50 M 11L SME
C0112	87-010-405-080		CAP,E 10-50 M 11L SME
C0113	87-010-866-080		CAP,E 10-63 M VX
C0114	87-010-866-080		CAP,E 10-63 M VX
C0119	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0120	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0123	87-010-176-080		C-CAP,S 680P-50 J SL<K,54EZ,56EZ>
C0124	87-010-176-080		C-CAP,S 680P-50 J SL<K,54EZ,56EZ>
C0125	87-012-368-080		C-CAP,S 0.1-50 Z F
C0126	87-012-368-080		C-CAP,S 0.1-50 Z F
C0127	87-012-368-080		C-CAP,S 0.1-50 Z F
C0128	87-012-368-080		C-CAP,S 0.1-50 Z F
C0129	87-010-191-080		C-CAP,S 0.015-50 Z F<K,54EZ,56EZ>
C0130	87-010-191-080		C-CAP,S 0.015-50 Z F<K,54EZ,56EZ>
C0131	87-010-197-080		C-CAP,S 0.01-25 K B <K,54EZ,56EZ>
C0132	87-010-197-080		C-CAP,S 0.01-25 K B <K,54EZ,56EZ>
C0133	87-010-186-080		C-CAP,S 4700P-50 K B C2012
C0140	87-010-182-080		C-CAP,S 2200P-50 K B C2012
C0141	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0203	87-010-182-080		C-CAP,S 2200P-50 K B C2012
C0204	87-010-182-080		C-CAP,S 2200P-50 K B C2012
C0205	87-010-179-080		C-CAP,S 1200P-50 K B GRM<HR>
C0205	87-012-140-080		C-CAP,S 470P-50 J CH<EXCEPT HR>
C0206	87-010-179-080		C-CAP,S 1200P-50 K B GRM<HR>
C0206	87-012-140-080		C-CAP,S 470P-50 J CH<EXCEPT HR>
C0209	87-010-402-080		CAP,E 2.2-50 M 11L SME
C0210	87-010-402-080		CAP,E 2.2-50 M 11L SME
C0211	87-010-184-080		C-CAP,S 3300P-50 K B C2012
C0212	87-010-184-080		C-CAP,S 3300P-50 K B C2012
C0213	87-010-402-080		CAP,E 2.2-50 M 11L SME
C0214	87-010-402-080		CAP,E 2.2-50 M 11L SME
C0217	87-010-405-080		CAP,E 10-50 M 11L SME
C0218	87-010-405-080		CAP,E 10-50 M 11L SME
C0220	87-010-405-080		CAP,E 10-50 M 11L SME
C0223	87-010-190-080		C-CAP,S 0.01-50 Z F C2012
C0224	87-010-190-080		C-CAP,S 0.01-50 Z F C2012
C0228	87-010-405-080		CAP,E 10-50 M 11L SME

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C0229	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0230	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0231	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0232	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0233	87-010-190-080		C-CAP,S 0.01-50 Z F<K,54EZ,56EZ>
C0234	87-010-190-080		C-CAP,S 0.01-50 Z F<K,54EZ,56EZ>
C0237	87-010-322-080		C-CAP,S 100P-50 J CH<K,54EZ,56EZ>
C0238	87-010-322-080		C-CAP,S 100P-50 J CH<K,54EZ,56EZ>
C0239	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0270	87-010-197-080		C-CAP,S 0.01-25 K B <K,54EZ,56EZ>
C0301	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C0302	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C0303	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C0304	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C0307	87-010-263-080		CAP,E 100-10 M 11L SME
C0308	87-010-263-080		CAP,E 100-10 M 11L SME
C0309	87-010-318-080		C-CAP,S 47P-50 J CH GRM
C0310	87-010-318-080		C-CAP,S 47P-50 J CH GRM
C0313	87-010-188-080		C-CAP,S 6800P-50 K B C2012
C0314	87-010-188-080		C-CAP,S 6800P-50 K B C2012
C0315	87-010-263-080		CAP,E 100-10 M 11L SME
C0317	87-010-546-080		CAP,E 0.33-50 M 11L SME
C0318	87-010-546-080		CAP,E 0.33-50 M 11L SME
C0326	87-010-198-080		C-CAP,S 0.022-25 K B C2012
C0327	87-012-368-080		C-CAP,S 0.1-50 Z F
C0360	87-010-401-080		CAP,E 1-50 M 11L SME
C0365	87-010-197-080		C-CAP,S 0.01-25 K B<K,54EZ,56EZ>
C0399	87-012-140-080		C-CAP,S 470P-50 J CH
C0401	87-010-544-080		CAP,E 0.1-50 M 11L SME
C0402	87-010-544-080		CAP,E 0.1-50 M 11L SME
C0403	87-010-321-080		C-CAP,S 82P-50 J CH
C0404	87-010-321-080		C-CAP,S 82P-50 J CH
C0405	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0406	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0407	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0408	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0409	87-010-182-080		C-CAP,S 2200P-50 K B C2012
C0410	87-010-182-080		C-CAP,S 2200P-50 K B C2012
C0411	87-010-405-080		CAP,E 10-50 M 11L SME
C0412	87-010-405-080		CAP,E 10-50 M 11L SME
C0452	87-010-382-080		CAP,E 22-25 M 11L SME
C0453	87-010-183-080		C-CAP,S 2700P-50 K B GRM
C0454	87-010-183-080		C-CAP,S 2700P-50 K B GRM
C0455	87-010-183-080		C-CAP,S 2700P-50 K B GRM
C0456	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0458	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C0459	87-010-175-080		C-CAP,S 560P-50 J SL
C0460	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0461	87-012-158-080		C-CAP,S 390P-50 J CH GRM
C0462	87-012-158-080		C-CAP,S 390P-50 J CH GRM
C0507	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0508	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C0509	87-A10-300-080		CAP,M 0.027-50 J
C0510	87-A10-300-080		CAP,M 0.027-50 J
C0515	87-A10-300-080		CAP,M 0.027-50 J
C0516	87-A10-300-080		CAP,M 0.027-50 J
C0518	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0519	87-010-401-080		CAP,E 1-50 M 11L SME
C0520	87-010-401-080		CAP,E 1-50 M 11L SME
C0521	87-010-546-080		CAP,E 0.33-50 M 11L SME
C0522	87-010-546-080		CAP,E 0.33-50 M 11L SME
C0523	87-010-545-080		CAP,E 0.22-50 M 11L SME
C0524	87-010-545-080		CAP,E 0.22-50 M 11L SME
C0525	87-010-545-080		CAP,E 0.22-50 M 11L SME
C0526	87-010-545-080		CAP,E 0.22-50 M 11L SME
C0605	87-010-179-080		C-CAP,S 1200P-50 K B GRM
C0606	87-010-179-080		C-CAP,S 1200P-50 K B GRM
C0609	87-010-213-080		C-CAP,S 0.015-25 K B GRM
C0610	87-010-213-080		C-CAP,S 0.015-25 K B GRM
C0611	87-010-545-080		CAP,E 0.22-50 M 11L SME
C0612	87-010-545-080		CAP,E 0.22-50 M 11L SME
C0613	87-010-545-080		CAP,E 0.22-50 M 11L SME
C0614	87-010-545-080		CAP,E 0.22-50 M 11L SME
C0615	87-010-154-080		C-CAP,S 10P-50 D CH GRM
C0616	87-010-385-080		CAP,E 220-25 M SME
C0617	87-010-385-080		CAP,E 220-25 M SME
C0618	87-010-405-080		CAP,E 10-50 M 11L SME
C0620	87-010-263-080		CAP,E 100-10 M 11L SME
C0630	87-016-669-080		C-CAP,S 0.1-25 K B
C0631	87-010-185-080		C-CAP,S 3900P-50 K B
C0632	87-010-185-080		C-CAP,S 3900P-50 K B
C0633	87-016-369-080		C-CAP,S 0.033-25 K B GRM
C0634	87-016-369-080		C-CAP,S 0.033-25 K B GRM
C0661	87-010-178-080		C-CAP,S 1000P-50 K B<HS,HR>
C0661	87-012-157-080		C-CAP,S 330P-50 J CH<K,54EZ,56EZ>
C0662	87-010-178-080		C-CAP,S 1000P-50 K B<HS,HR>
C0662	87-012-157-080		C-CAP,S 330P-50 J CH<K,54EZ,56EZ>
C0669	87-010-180-080		C-CAP,S 1500P-50 K B<K,54EZ,56EZ>
C0670	87-010-180-080		C-CAP,S 1500P-50 K B<K,54EZ,56EZ>
C0671	87-010-196-080		C-CAP,S 0.1-25 Z F C2012<HS,HR>
C0672	87-010-196-080		C-CAP,S 0.1-25 Z F C2012<HS,HR>
C0673	87-010-182-080		C-CAP,S 2200P-50 K B<HS,HR>
C0677	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0771	87-010-263-080		CAP,E 100-10 M 11L SME
C0772	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0779	87-010-186-080		C-CAP,S 4700P-50 K B<K,54EZ,56EZ>
C0780	87-010-186-080		C-CAP,S 4700P-50 K B<K,54EZ,56EZ>
C0782	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0783	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0784	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0785	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0786	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0788	87-010-149-080		C-CAP,S 5P-50 C CH GRM
C0789	87-A10-801-080		C-CAP,S 0.022-16 J B CM<HR>
C0789	87-A11-532-080		C-CAP,S 0.022-50 J B<EXCEPT HR>
C0790	87-A10-801-080		C-CAP,S 0.022-16 J B CM<HR>
C0790	87-A11-532-080		C-CAP,S 0.022-50 J B<EXCEPT HR>
C0791	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0792	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0793	87-010-404-080		CAP,E 4.7-50 M 11L SME
C0794	87-012-140-080		C-CAP,S 470P-50 J CH<K,54EZ>
C0794	87-012-155-080		C-CAP,S 180P-50 J CH GRM<56EZ>
C0795	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0796	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0797	87-010-405-080		CAP,E 10-50 M 11L SME
C0798	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0799	87-010-407-080		CAP,E 33-50 M 11L SME
C0800	87-012-369-080		C-CAP,S 0.047-50 Z F
C0801	87-010-403-080		CAP,E 3.3-50 M 11L SME
C0802	87-010-194-080		C-CAP,S 0.047-25 Z F
C0803	87-010-198-080		C-CAP,S 0.022-25 K B C2012
C0804	87-010-263-080		CAP,E 100-10 M 11L SME
C0807	87-010-400-080		CAP,E 0.47-50 M 11L SME
C0808	87-010-401-080		CAP,E 1-50 M 11L SME
C0809	87-010-401-080		CAP,E 1-50 M 11L SME
C0810	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0814	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0815	87-010-400-080		CAP,E 0.47-50 M 11L SME
C0816	87-010-400-080		CAP,E 0.47-50 M 11L SME
C0818	87-010-180-080		C-CAP,S 1500P-50 K B<K,54EZ,56EZ>
C0821	87-010-405-080		CAP,E 10-50 M 11L SME
C0823	87-010-177-080		C-CAP,S 820P-50 J SL<HS,HR>
C0823	87-012-349-080		C-CAP,S 1000P-50 J CH<K,54EZ,56EZ>
C0824	87-010-404-080		CAP,E 4.7-50 M 11L SME
C0825	87-010-596-080		C-CAP,S 0.047-16 K R C2012
C0831	87-010-406-080		CAP,E 22-50 M 11L SME<K,54EZ,56EZ>
C0842	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0844	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0850	87-010-260-080		CAP,E 47-25 M 11L SME
C0851	87-010-197-080		C-CAP,S 0.01-25 K B C2012

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C0852	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0853	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0858	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0859	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0860	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0869	87-010-197-080		C-CAP,S 0.01-25 K B C2012<56EZ>
C0870	87-018-131-080		CAP,TC U 1000P-50 K B UP050<56EZ>
C0871	87-012-156-080		C-CAP,S 220P-50 J CH GRM<56EZ>
C0872	87-012-156-080		C-CAP,S 220P-50 J CH GRM<56EZ>
C0873	87-012-140-080		C-CAP,S 470P-50 J CH<56EZ>
C0874	87-010-405-080		CAP,E 10-50 M 11L SME<56EZ>
C0875	87-010-196-080		C-CAP,S 0.1-25 Z F C2012<56EZ>
C0876	87-010-405-080		CAP,E 10-50 M 11L SME<56EZ>
C0877	87-010-197-080		C-CAP,S 0.01-25 K B C2012<56EZ>
C0878	87-010-316-080		C-CAP,S 33P-50 J CH GRM<56EZ>
C0879	87-010-314-080		C-CAP,S 22P-50 J CH GRM<56EZ>
C0940	87-010-197-080		C-CAP,S 0.01-25 K B<EXCEPT HS>
C0941	87-010-314-080		C-CAP,S 22P-50 J CH GRM<HR>
C0942	87-010-149-080		C-CAP,S 5P-50 C CH<K,54EZ,56EZ>
C0943	87-010-197-080		C-CAP,S 0.01-25 K B C2012<HR>
C0945	87-010-197-080		C-CAP,S 0.01-25 K B C2012<HR>
C0946	87-010-971-080		C-CAP,S 4700P-50 J B<HR>
C0947	87-010-197-080		C-CAP,S 0.01-25 K B<EXCEPT HS>
C0948	87-010-148-080		C-CAP,S 4P-50 C CH GRM<HR>
C0948	87-012-140-080		C-CAP,S 470P-50 J CH<K,54EZ,56EZ>
C0952	87-010-197-080		C-CAP,S 0.01-25 K B<EXCEPT HS>
C0953	87-010-197-080		C-CAP,S 0.01-25 K B C2012<HR>
C0954	87-010-400-080		CAP,E 0.47-50 M 11L SME<HR>
C0956	87-010-263-080		CAP,E 100-10 M 11L SME<HR>
C0957	87-010-311-080		C-CAP,S 12P-50 J CH<K,54EZ,56EZ>
C0958	87-010-197-080		C-CAP,S 0.01-25 K B<K,54EZ,56EZ>
C0959	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0960	87-010-196-080		C-CAP,S 0.1-25 Z F<EXCEPT HR>
C0961	87-010-152-080		C-CAP,S 8P-50 D CH GRM<HS>
C0962	87-010-401-080		CAP,E 1-50 M 11L SME<EXCEPT HS>
C0963	87-015-785-080		C-CAP, 0.1-25 Z F C3216
C0964	87-010-854-080		C-CAP,S 560P-50 J CH<HR>
C0971	87-010-381-080		CAP,E 330-16 M SME
C0972	87-010-404-080		CAP,E 4.7-50 M 11L SME
C0973	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0974	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0979	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C0981	87-010-260-080		CAP,E 47-25 M 11L SME
C0982	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0983	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0984	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0985	87-010-322-080		C-CAP,S 100P-50 J CH<K,54EZ,56EZ>
C0987	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0989	87-010-197-080		C-CAP,S 0.01-25 K B<EXCEPT HS>
C0991	87-010-312-080		C-CAP,S 15P-50 J CH GRM
C0992	87-010-312-080		C-CAP,S 15P-50 J CH GRM
C0993	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C0995	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C0997	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0998	87-010-260-080		CAP,E 47-25 M 11L SME
C0999	87-A11-132-080		CAP,TC U 0.01-50 K B
CF0831	87-008-261-010		FLTR,CF SFE10.7MA5<HS,HR>
CF0831	87-008-423-010		FLTR,CF SFE10.7MS3G-A<K,54EZ,56EZ>
CF0832	82-785-747-010		CF,MS2 GHY,R<K,54EZ,56EZ>
CF0832	87-008-261-010		FLTR,CF SFE10.7MA5<HS,HR>
CN0301	87-A60-620-010		CONN,3P V 2MM JMT
CN0351	87-A60-625-010		CONN,8P V 2MM JMT
CN0601	87-099-719-010		CONN,30P H BLK TYK-B(X)
CN0602	87-A60-131-010		CONN,6P V FE
CNA0001	8A-NF8-654-010		CONN ASSY,11P TID-A(480)
D0951	87-A40-618-080		VARI-CAP,SVC 348(S/T)<HR>
FFC0602	88-906-251-110		FF-CABLE,6P 1.25
FFE0831	A8-6ZA-195-130		6ZA-1 YFEENM<K,54EZ,56EZ>
FFE0831	A8-8ZA-191-030		8ZA-1 YFEUNM<HS,HR>
J0201	87-A60-483-010		JACK,DIA6.3 BLK ST W/S KM

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
J0203	87-A60-238-010		TERMINAL,SP 4P (MSC)
J0204	87-A61-153-010		JACK,PIN 4P R/W(BL) (SEPA) KM
J0602	87-A60-881-010		JACK,PIN 2P MSP 242V05 PBSN
J0831	87-A60-202-010		TERMINAL,ANT 4P <HS,HR>
J0832	87-A60-403-010		TERMINAL,ANT PAL 2P <K,54EZ,56EZ>
J0940	87-A60-633-010		CONN,2P H 2.5MM JMT<HR>
L0101	87-003-383-010		COIL,1UH K<EXCEPT HR>
L0101	87-A50-610-010		COIL,1UH K(MDEC)<HR>
L0102	87-003-383-010		COIL,1UH K<EXCEPT HR>
L0102	87-A50-610-010		COIL,1UH K(MDEC)<HR>
L0201	87-003-383-010		COIL,1UH K<EXCEPT HR>
L0201	87-A50-610-010		COIL,1UH K(MDEC)<HR>
L0202	87-003-383-010		COIL,1UH K<EXCEPT HR>
L0202	87-A50-610-010		COIL,1UH K(MDEC)<HR>
L0451	87-007-342-010		COIL,OSC 85KHZ BIAS
L0801	87-A50-608-010		COIL,FM DET-N(TOK)
L0802	87-A91-551-010		FLTR,PCFJZH-450 L<EXCEPT HR>
L0802	87-A91-552-010		FLTR,CFMT-450AL <HR>
L0811	87-005-847-080		COIL,2.2UH K CECS
L0832	87-005-847-080		COIL,2.2UH K CECS
L0861	87-005-847-080		COIL,2.2UH K CECS<56EZ>
L0941	87-A50-020-010		COIL,ANT LW 252KHZ<K,54EZ,56EZ>
L0941	87-A50-022-010		COIL,ANT SW 7.96MHZ<HR>
L0942	87-A50-019-010		COIL,OSC LW 856KHZ<K,54EZ,56EZ>
L0942	87-A50-550-010		COIL,OSC SW-2N(COI)<HR>
L0943	87-A50-522-080		COIL,1MH K CEC<HR>
L0944	87-A50-159-010		COIL,10MH K C2B<HR>
L0951	8A-NF8-667-010		COIL,AM PACK 4(TOK)<HS>
L0951	8A-NF8-668-010		COIL,AM PACK 2(TOK)<K,54EZ,56EZ>
L0952	87-A50-430-010		COIL,ANT MW(3BSW)<HR>
L0953	87-A50-431-010		COIL,OSC MW(3BSW)<HR>
R0129	87-A00-257-080		RES,M/F 0.15-1W J
R0130	87-A00-257-080		RES,M/F 0.15-1W J
R0143	87-A00-439-050		RES,180-1/2W J RP<K,54EZ,56EZ>
R0143	87-A00-440-050		RES,220-1/2W J RP<HS,HR>
R0144	87-A00-439-050		RES,180-1/2W J RP<K,54EZ,56EZ>
R0144	87-A00-440-050		RES,220-1/2W J RP<HS,HR>
R0145	87-A00-439-050		RES,180-1/2W J RP<K,54EZ,56EZ>
R0145	87-A00-440-050		RES,220-1/2W J RP<HS,HR>
R0146	87-A00-439-050		RES,180-1/2W J RP<K,54EZ,56EZ>
R0146	87-A00-440-050		RES,220-1/2W J RP<HS,HR>
R0233	87-A00-258-080		RES,M/F 0.22-1W J
R0234	87-A00-258-080		RES,M/F 0.22-1W J
R0790	87-010-197-080		C-CAP,S 0.01-25 K B C2012
R0991	87-010-322-080		C-CAP,S 100P-50 J CH GRM
R0993	87-010-322-080		C-CAP,S 100P-50 J CH GRM
R0995	87-010-322-080		C-CAP,S 100P-50 J CH GRM
SFR0451	87-A90-432-080		SFR,30K H NVZ6TLTA
SFR0452	87-A90-432-080		SFR,30K H NVZ6TLTA
TC0941	87-011-254-080		TRIMMER,CER 20P 4.0X4.5 ECR<HR>
TC0942	87-011-253-080		TRIMMER,CER 30P 4.0X4.5<K,54EZ,56EZ>
TC0943	87-011-253-080		TRIMMER,CER 30P 4.0X4.5<HR>
WH0001	87-A91-179-010		HLDR,WIRE 2.5-11P
X0861	87-A70-091-010		VIB,XTAL 4.332MHZ CSA-309<56EZ>
X0991	87-A70-061-010		VIB,XTAL 4.500MHZ CSA-309

FRONT C.B

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C0201	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C0202	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C0203	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C0204	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C0205	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C0206	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C0207	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C0208	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C0209	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C0210	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C0211	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C0251	87-010-405-040		CAP,E 10-50 M 11L SME

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C0253	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0254	87-012-369-080		C-CAP,S 0.047-50 Z F
C0255	87-010-560-040		CAP,E 10-50 M 5L MA
C0256	87-010-405-040		CAP,E 10-50 M 11L SME
C0259	87-010-405-040		CAP,E 10-50 M 11L SME
C0264	87-A11-148-080		CAP,TC U 0.1-50 Z F
C0273	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C0274	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C0301	87-010-182-080		C-CAP,S 2200P-50 K B C2012
C0302	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0303	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0312	87-010-498-040		CAP,E 10-16 M 5L SRE
C0314	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0315	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0316	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0321	87-012-393-080		C-CAP,S 0.22-16 K W5R CM/CB
C0322	87-010-400-040		CAP,E 0.47-50 M 11L SME
C0325	87-A10-189-040		CAP,E 220-10 M 5L
C0326	87-A10-189-040		CAP,E 220-10 M 5L
C0332	87-010-178-080		C-CAP,S 1000P-50 K B C2012
C0334	87-010-312-080		C-CAP,S 15P-50 J CH GRM
C0335	87-012-140-080		C-CAP,S 470P-50 J CH
C0336	87-012-155-080		C-CAP,S 180P-50 J CH GRM
C0339	87-012-156-080		C-CAP,S 220P-50 J CH GRM
C0340	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0341	87-010-194-080		C-CAP,S 0.047-25 Z F
C0351	87-010-981-040		CAP,E 22-35 M 5L SRE
C0401	87-010-197-080		C-CAP,S 0.01-25 K B C2012
C0451	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0452	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0453	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0454	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0455	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0458	87-010-320-080		C-CAP,S 68P-50 J CH GRM<HR>
C0459	87-010-320-080		C-CAP,S 68P-50 J CH GRM<HR>
C0502	87-010-186-080		C-CAP,S 4700P-50 K B <HS,HR>
C0503	87-010-112-040		CAP,E 100-16 M 11L SME<HS,HR>
C0504	87-010-405-040		CAP,E 10-50 M 11L SME<HS,HR>
C0505	87-010-545-040		CAP,E 0.22-50 M 11L SME<HS,HR>
C0506	87-010-320-080		C-CAP,S 68P-50 J CH GRM<HS,HR>
C0507	87-010-544-040		CAP,E 0.1-50 M 11L SME<HS,HR>
C0508	87-010-544-040		CAP,E 0.1-50 M 11L SME<HS,HR>
C0510	87-010-322-080		C-CAP,S 100P-50 J CH GRM<HS,HR>
C0511	87-010-265-040		CAP,E 33-16 M 11L SME<HS,HR>
C0512	87-010-178-080		C-CAP,S 1000P-50 K B <HS,HR>
C0513	87-010-196-080		C-CAP,S 0.1-25 Z F C2012<HS,HR>
C0515	87-010-178-080		C-CAP,S 1000P-50 K B <HS,HR>
C0520	87-010-178-080		C-CAP,S 1000P-50 K B C2012<HR>
C0602	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C0603	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C0604	87-010-322-080		C-CAP,S 100P-50 J CH GRM
C0650	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
C0699	87-010-196-080		C-CAP,S 0.1-25 Z F C2012
CN0101	87-099-720-010		CONN,30P BLK TYK-B(P)
CN0102	87-099-015-010		CONN,13P V BLK 6216
CN0301	87-A60-140-010		CONN,15P V FE<HS,HR>
CN0302	87-A60-136-010		CONN,11P V FE<K,54EZ,56EZ>
FB0301	87-008-372-080		FLTR,EMI BL01 RN1
FB0501	87-008-372-080		FLTR,EMI BL01 RN1<HS,HR>
FFC0102	88-913-301-110		FF-CABLE,13P-1.25
FFC0105	88-911-101-110		FF-CABLE,11P 1.25<K,54EZ,56EZ>
FFC0105	88-915-101-110		FF-CABLE, 15P 1.25 100MM<HS,HR>
FL0401	8A-NF8-601-010		FL,HNA-11MM30(ANF-8)
J0501	87-A61-242-010		JACK,6.3 BLK MONO W/SW<HS,HR>
L0331	87-A50-408-010		COIL,OSC 5.76MHZ
LED0311	87-A40-589-040		LED,SLR-56VCT31 RED
LED0601	87-A40-803-010		LED,SELU1E10CXM-S LF38 BLUE
LED0602	87-A40-619-080		LED,SLR-56PT-TE7-W GRN
LED0603	87-A40-619-080		LED,SLR-56PT-TE7-W GRN
LED0604	87-A40-619-080		LED,SLR-56PT-TE7-W GRN

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
LED0606	87-A40-619-080		LED,SLR-56PT-TE7-W GRN
LED0607	87-A40-619-080		LED,SLR-56PT-TE7-W GRN
LED0608	87-A40-619-080		LED,SLR-56PT-TE7-W GRN
S0401	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0401	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0402	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0402	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0403	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0403	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0404	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0404	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0405	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0405	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0406	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0406	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0407	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0407	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0408	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0408	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0409	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0409	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0410	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0410	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0411	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0411	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0412	87-A90-095-080		SW,TACT EVQ11G04M<56EZ,HS>
S0412	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0413	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0413	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0414	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0414	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0415	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0415	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0416	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0416	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0417	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0417	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0418	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0418	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0419	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0419	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0420	87-A90-095-080		SW,TACT EVQ11G04M<56EZ,HS>
S0420	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0421	87-A90-095-080		SW,TACT EVQ11G04M<56EZ>
S0425	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0425	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0426	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0426	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0432	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0432	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0433	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0433	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0434	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0434	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0435	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0435	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0436	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0436	87-A91-024-180		SW,TACT KSHG611BT<HR>
S0437	87-A90-095-080		SW,TACT EVQ11G04M<EXCEPT HR>
S0437	87-A91-024-180		SW,TACT KSHG611BT<HR>
SW0252	87-A91-555-010		SW,RTRY EC12E24504
SW0253	87-A91-542-010		SW,RTRY EC12E12504
VR0501	86-NFA-607-010		VR,RTRY 10K15AX1 1 V<HS,HR>

DECK C.B

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
CON105	87-099-753-010		CONN,11P 9604 S F<K,54EZ,56EZ>
CON105	87-099-756-010		CONN,15P 9604 S F<HS,HR>
SFR1	87-024-581-010		SFR,3.3K DIA 6H
SOL1	82-ZM1-618-410		SOL ASSY,27

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
SOL2	82-ZM1-618-410		SOL ASSY,27
SW1	87-A90-248-010		SW,MICRO ESE11SH2CXQ
SW2	87-A90-248-010		SW,MICRO ESE11SH2CXQ
SW3	87-A90-248-010		SW,MICRO ESE11SH2CXQ
SW4	87-036-110-010		SW,MICRO SPPB62
SW5	87-036-110-010		SW,MICRO SPPB62
SW6	87-036-110-010		SW,MICRO SPPB62<HS,HR>
SW8	87-A90-248-010		SW,MICRO ESE11SH2CXQ<HS,HR>
SW9	87-A90-248-010		SW,MICRO ESE11SH2CXQ<HS,HR>
W1	82-ZM3-601-010		RBN,CORD,4P-75

HEAD-1 C.B

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
	85-ZM3-602-010		PWB,FLEX A
CON301	87-NF6-615-010		CONN ASSY,3P PB

HEAD-2 C.B<HS,HR>

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
	85-ZM3-602-010		PWB,FLEX A<HS,HR>
CON351	87-NF6-616-010		CONN ASSY,8P-RPB<HS,HR>

PT C.B

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C0001	87-010-387-080		CAP,E 470-25 M SME
C0002	87-A11-148-080		CAP,TC U 0.1-50 Z F<K,54EZ,56EZ>
C0031	87-010-403-040		CAP,E 3.3-50 M 11L SME
⚠CN0001	87-A61-122-010		CONN,11P V TID-A
⚠PT0001	8A-NF8-605-010		PT,ANF-8 LH<HS,HR>
⚠PT0001	8A-NF8-608-010		PT,ANF-8 EZ<K,54EZ,56EZ>
⚠PT0002	8A-NF8-662-010		PT,SUB ANF-8 (E)<K,54EZ,56EZ>
⚠PT0002	8A-NF8-673-010		PT,SUB ANF-8 (H)KAMI<HS,HR>
⚠RY0001	87-A91-339-010		RELAY,AC DC12V G5PA-2<HS,HR>
⚠RY0002	87-A91-418-010		RELAY,AC12V G5PA-1-M<K,54EZ,56EZ>
⚠S0001	87-A90-165-010		SW,SL 1-2-3 SWS2301<HS,HR>
⚠T0001	87-A60-317-010		TERMINAL, 1P MSC
⚠T0002	87-A60-317-010		TERMINAL, 1P MSC

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding

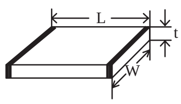
8 8 − □□□ □□ □

A
抵抗部品コード
Resistor Code

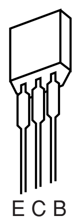
抵抗値
Value of resistor

桁表示
Figure

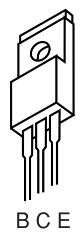
チップ抵抗
Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm) 外形／Form	L	W	t	抵抗コード : A Resistor Code : A
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

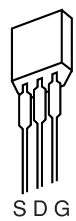
TRANSISTOR LLUSTRATION



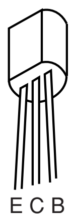
2SA933S
DTC114ES
KTC3199



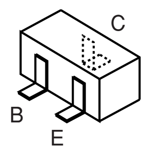
2SB1370



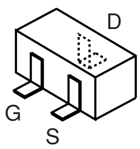
2SJ460
2SK2541



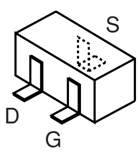
2SC3331
CD1585
CSA952
CSC4115
KTA1266
KTC3198



2SA1235
2SC2714
2SC3052
CMBT5401
CMBT5551
CSD1306
KRA102S
KRA107S
KRC102S
RT1N441C
RT1P141C
RT1P144C



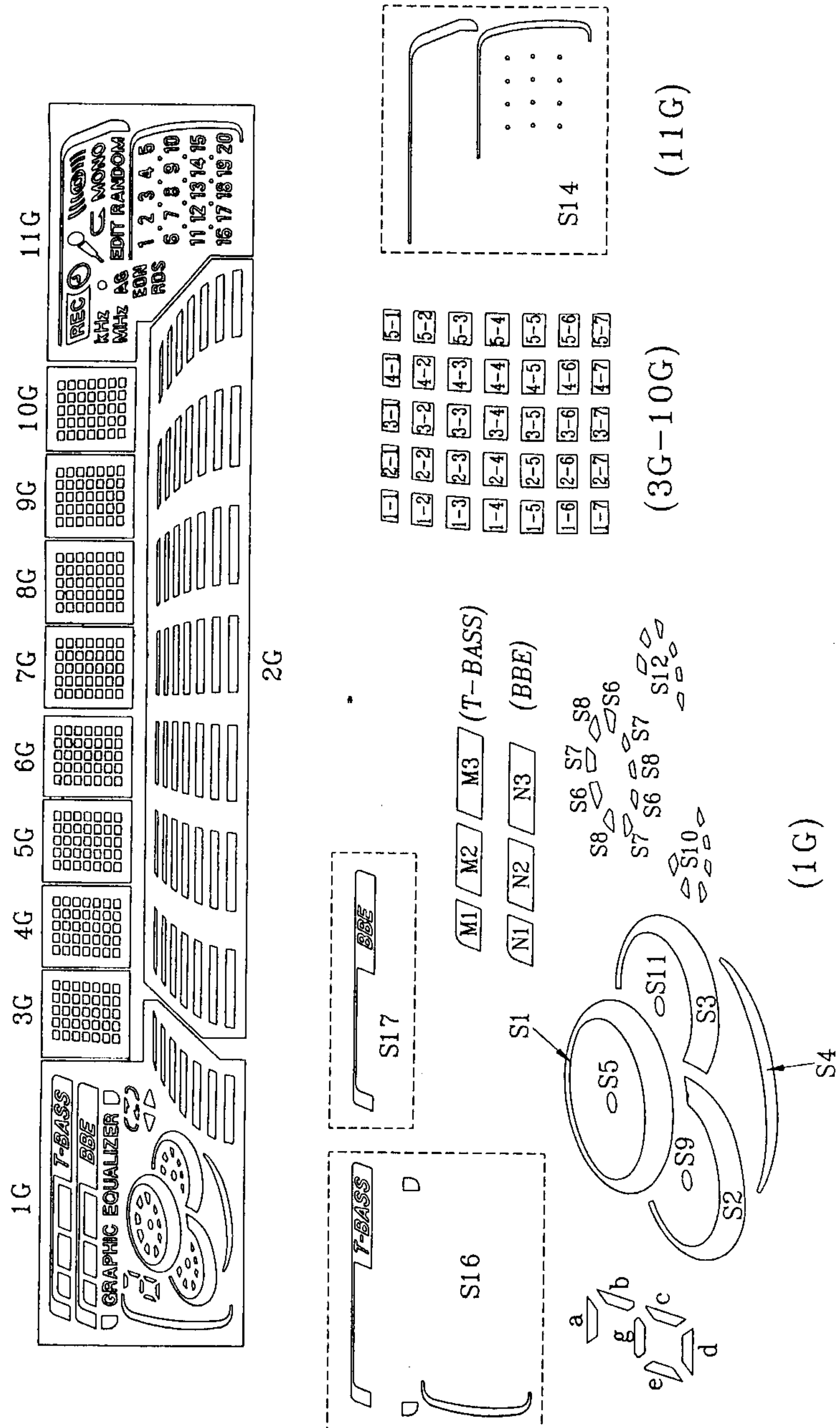
2SJ461
2SK2158

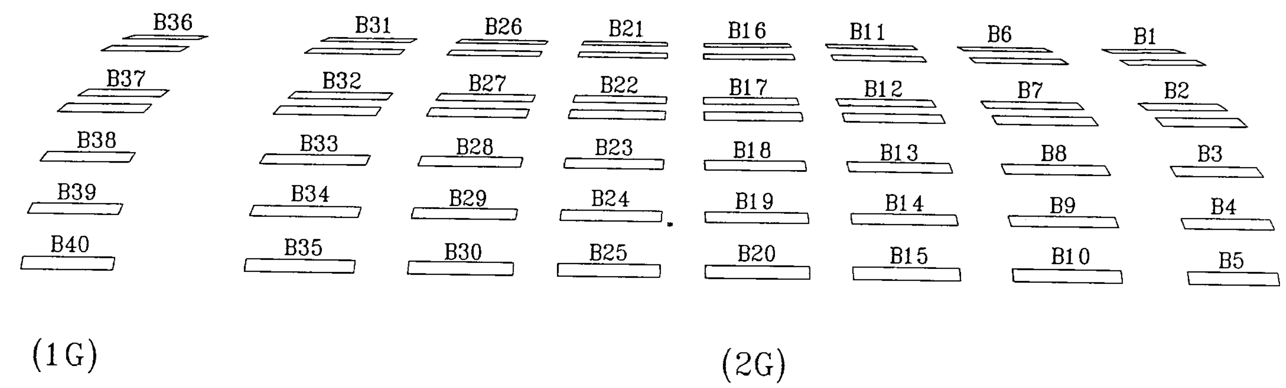


2SK360

FL (HNA-11MM30) GRID ASSIGNMENT/ANODE CONNECTION

GRID ASSIGNMENT



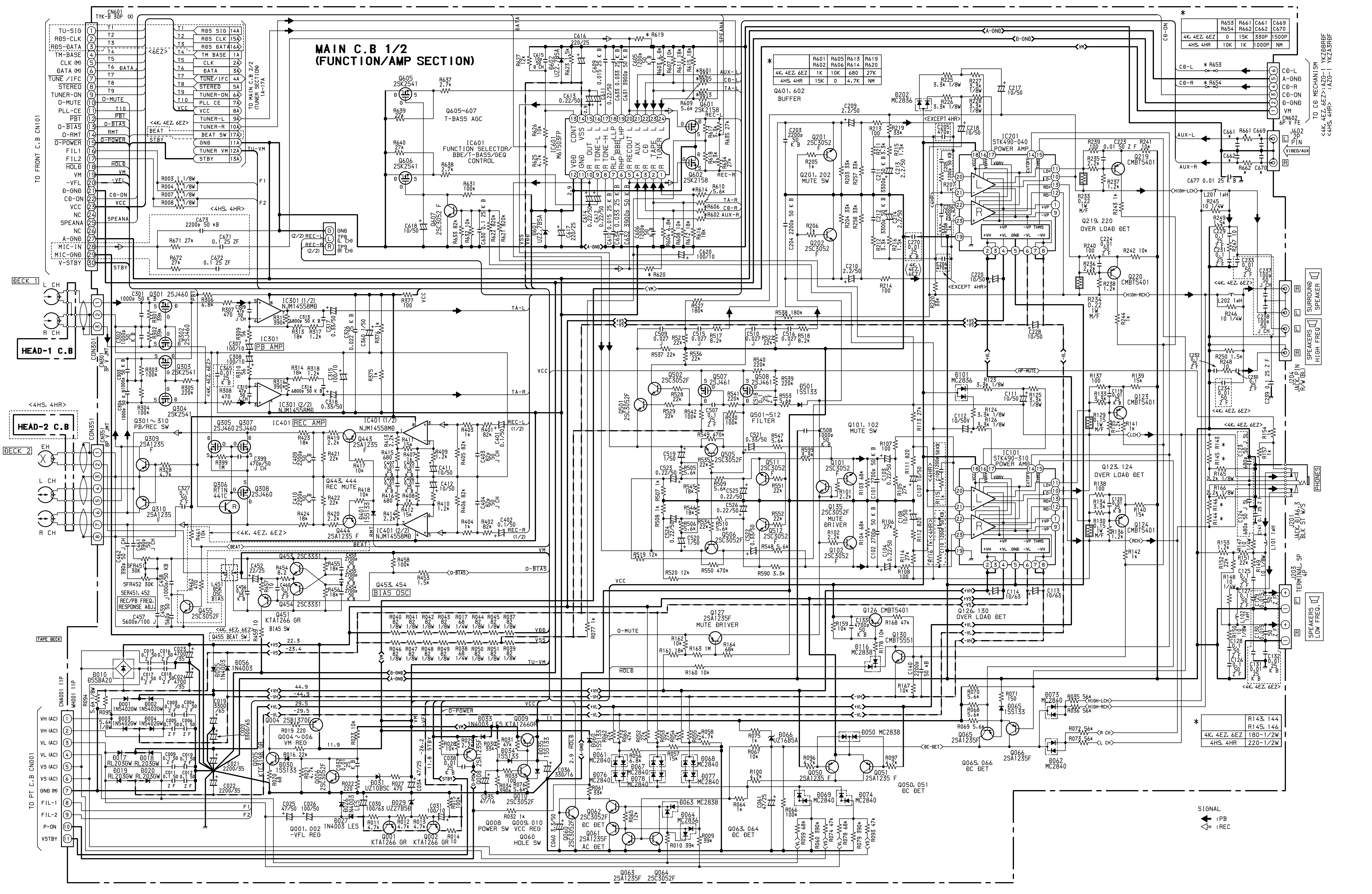


ANODE CONNECTION

	1G	2G	3G−10G	11G
P1	S17	B35	1−1	(icon)
P2	N1	B30	2−1	MONO
P3	N2	B25	3−1	RANDOM
P4	N3	B20	4−1	(icon)
P5	GRAPHIC EQUALIZER	B15	5−1	EDIT
P6	(icon)	B10	1−2	(icon)
P7	(icon)	B5	2−2	REC
P8	(icon)	B34	3−2	kHz
P9	(icon)	B29	4−2	MHz
P10	(icon)	B24	5−2	o
P11	S4	B19	1−3	AS
P12	S2	B14	2−3	EON
P13	S10	B9	3−3	RDS
P14	S9	B4	4−3	S14
P15	S3	B33	5−3	20
P16	S12	B28	1−4	19
P17	S11	B23	2−4	18
P18	S1	B18	3−4	17

	1G	2G	3G−10G	11G
P19	S6	B13	4−4	16
P20	S7	B8	5−4	15
P21	S8	B3	1−5	14
P22	S5	B32	2−5	13
P23	S16	B27	3−5	12
P24	M1	B22	4−5	11
P25	M2	B17	5−5	10
P26	M3	B12	1−6	9
P27	e	B7	2−6	8
P28	a, g, d	B2	3−6	7
P29	b	B31	4−6	6
P30	c	B26	5−6	5
P31	B40	B21	1−7	4
P32	B39	B16	2−7	3
P33	B38	B11	3−7	2
P34	B37	B6	4−7	1
P35	B36	B1	5−7	(icon)

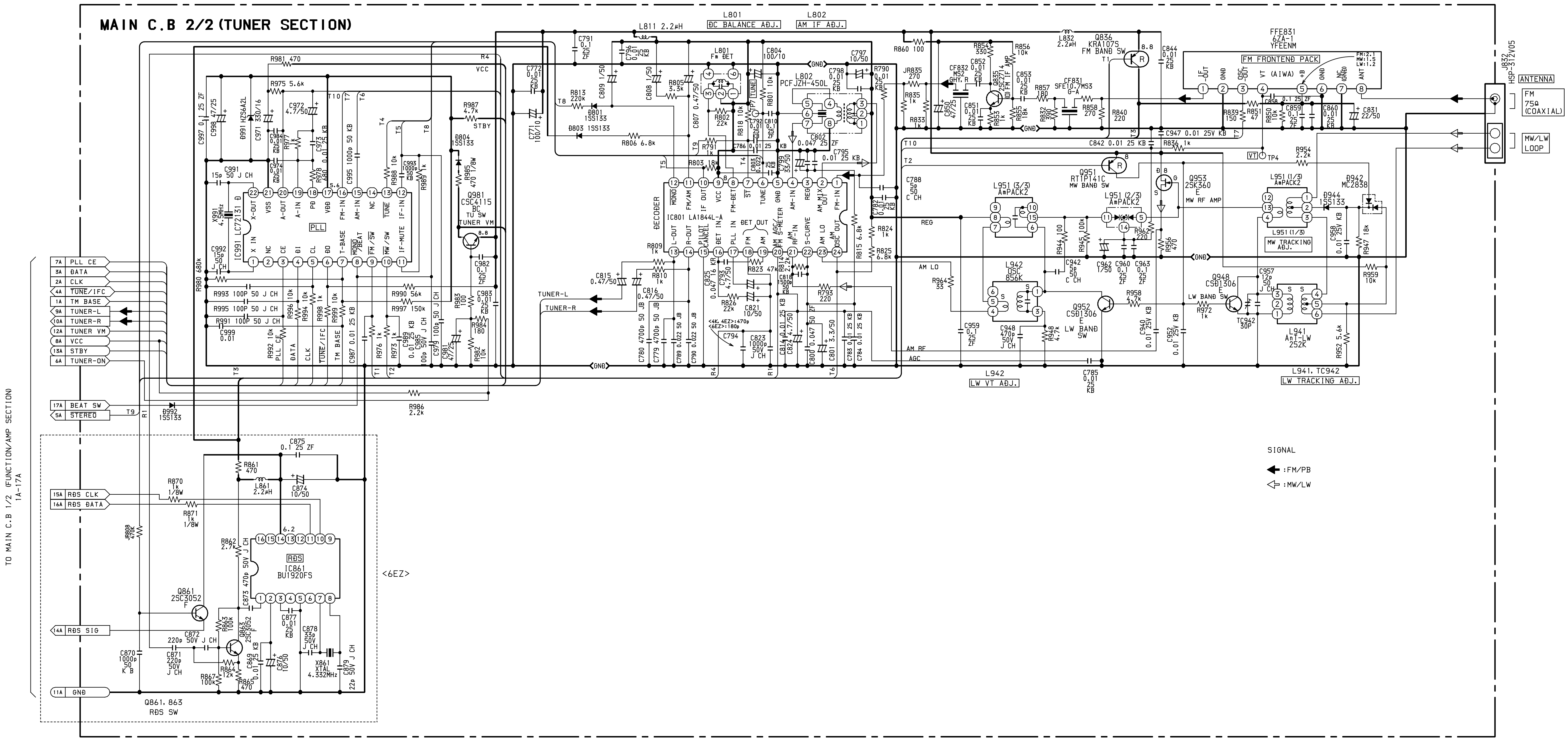
SCHEMATIC DIAGRAM-1 (FUNCTION/AMP SECTION)

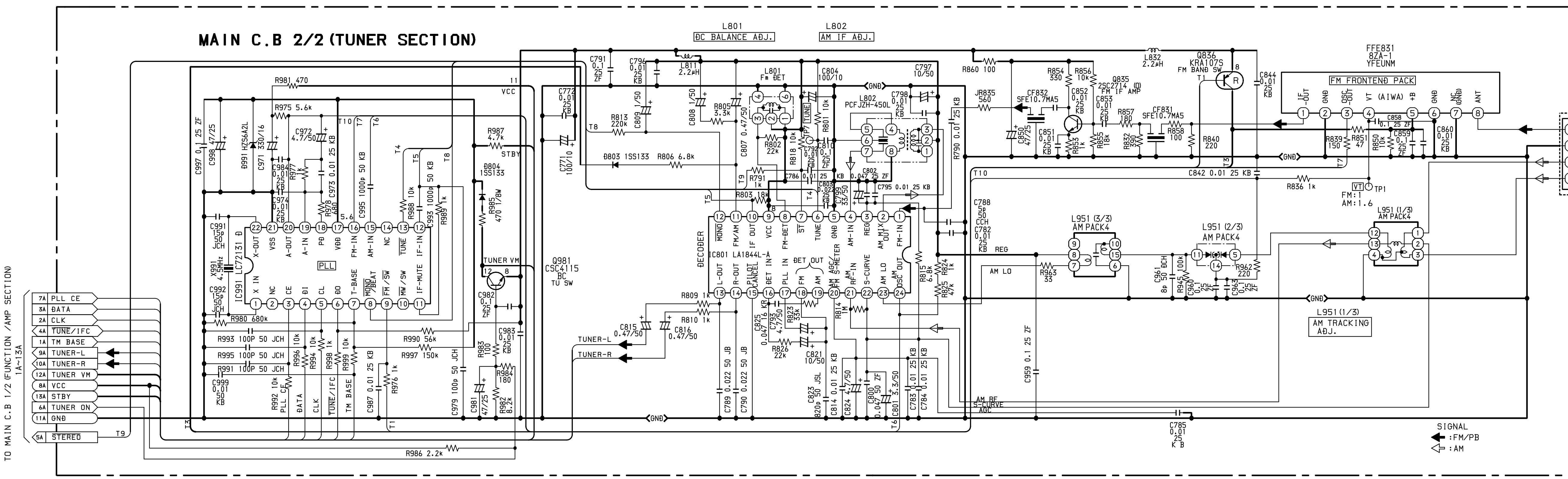


	R653 R654	R661 R662	C661 C662	C669 C670
4K, 4EZ, 6EZ	0	15K	330P	1500P
4HS, 4HR	10K	1K	1000P	NM

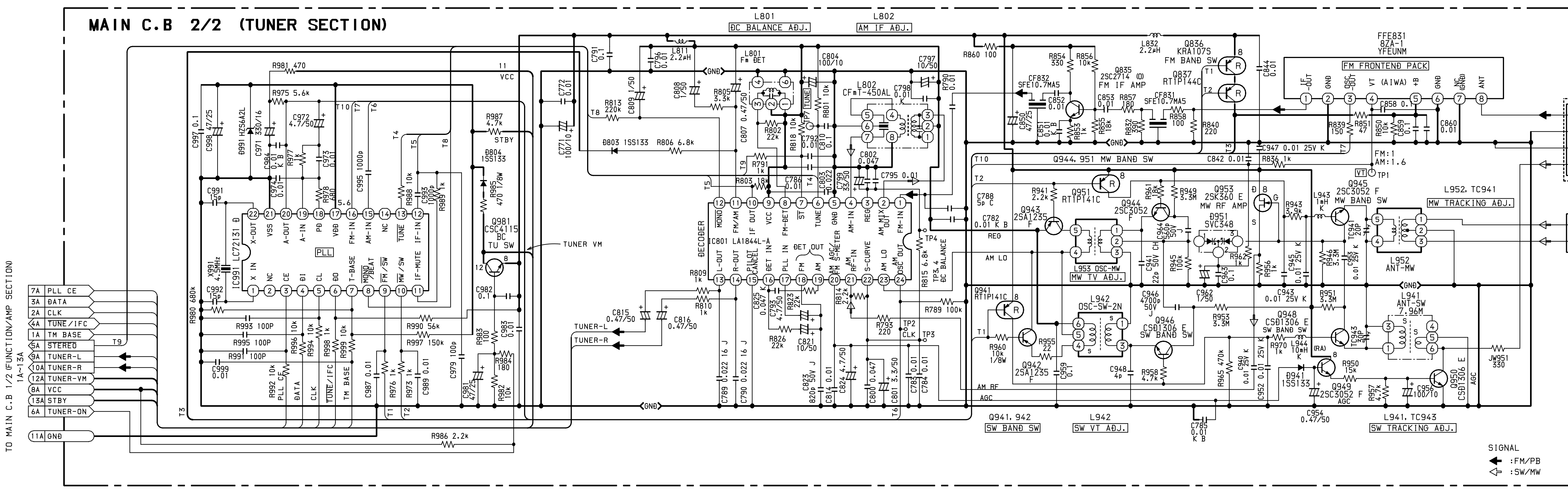
	R601 R602	R605 R606	R613 R614	R619 R620
4K, 4EZ, 6EZ	1K	10K	680	27K
4HS, 4HR	15K	0	4.7K	NM

	R143, 144 R145, 146
4K, 4EZ, 6EZ	180-1/2W
4HS, 4HR	220-1/2W

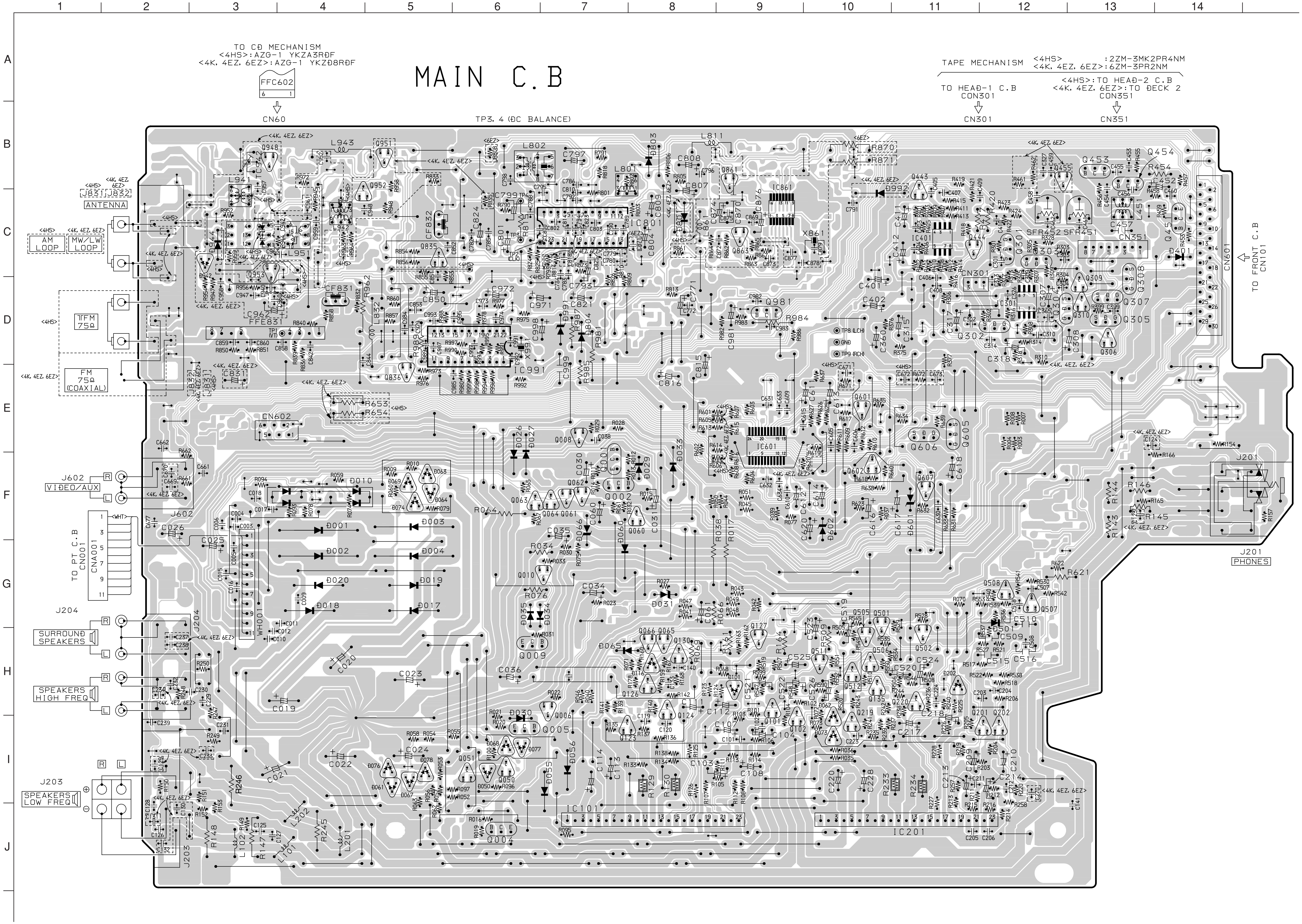

MAIN C.B 2/2 (TUNER SECTION)
TO MAIN C.B 1/2 (FUNCTION/AMP SECTION) 1A-17A
PLL CE
DATA
CLK
TUNE/IFC
TM BASE
TUNER-L
TUNER-R
TUNER VM
VCC
STBY
TUNER-ON
BEAT SW
STEREO
RDS CLK
RDS DATA
RDS SIG
GND
IC991 LC72131 D
PLL
IC801 LA1844L-A
DECODER
IC861 BU1920FS
RDS
Q861, 863 RDS SW
<6EZ>
L801 DC BALANCE ADJ.
L802 AM IF ADJ.
FFE831 6ZA-1 YFEENM
FM FRONTEND PACK
ANTENNA
FM 75Ω (COAXIAL)
MW/LW LOOP
J832 HSP-3121V05
L942 LW VT ADJ.
L941, TC942 LW TRACKING ADJ.
MW TRACKING ADJ.
SIGNAL
:FM/PB
:MW/LW


MAIN C.B 2/2 (TUNER SECTION)
L801
DC BALANCE ADJ.
L802
AM IF ADJ.
FFE831
FM FRONTEND PACK
ANTENNA
FM 75Ω
AM LOOP
IC801 LA1844L-A
IC991 LC72131 D
PLL
DECODER
Q981 CSC4115 BC TU SW
Q836 KRA107S FM BAND SW
Q835 2SC2714 (O) FM IF AMP
CF832 SFE10.7MA5
CF831 SFE10.7MA5
L951 (3/3) AM PACK4
L951 (2/3) AM PACK4
L951 (1/3) AM PACK4
L951 (1/3) AM TRACKING ADJ.
TUNER-L
TUNER-R
TO MAIN C.B 1/2 (FUNCTION /AMP SECTION) 1A-13A
7A PLL CE
3A DATA
2A CLK
4A TUNE/IFC
1A TM BASE
9A TUNER-L
10A TUNER-R
12A TUNER VM
8A VCC
13A STBY
6A TUNER ON
11A GND
5A STEREO
SIGNAL
:FM/PB
:AM

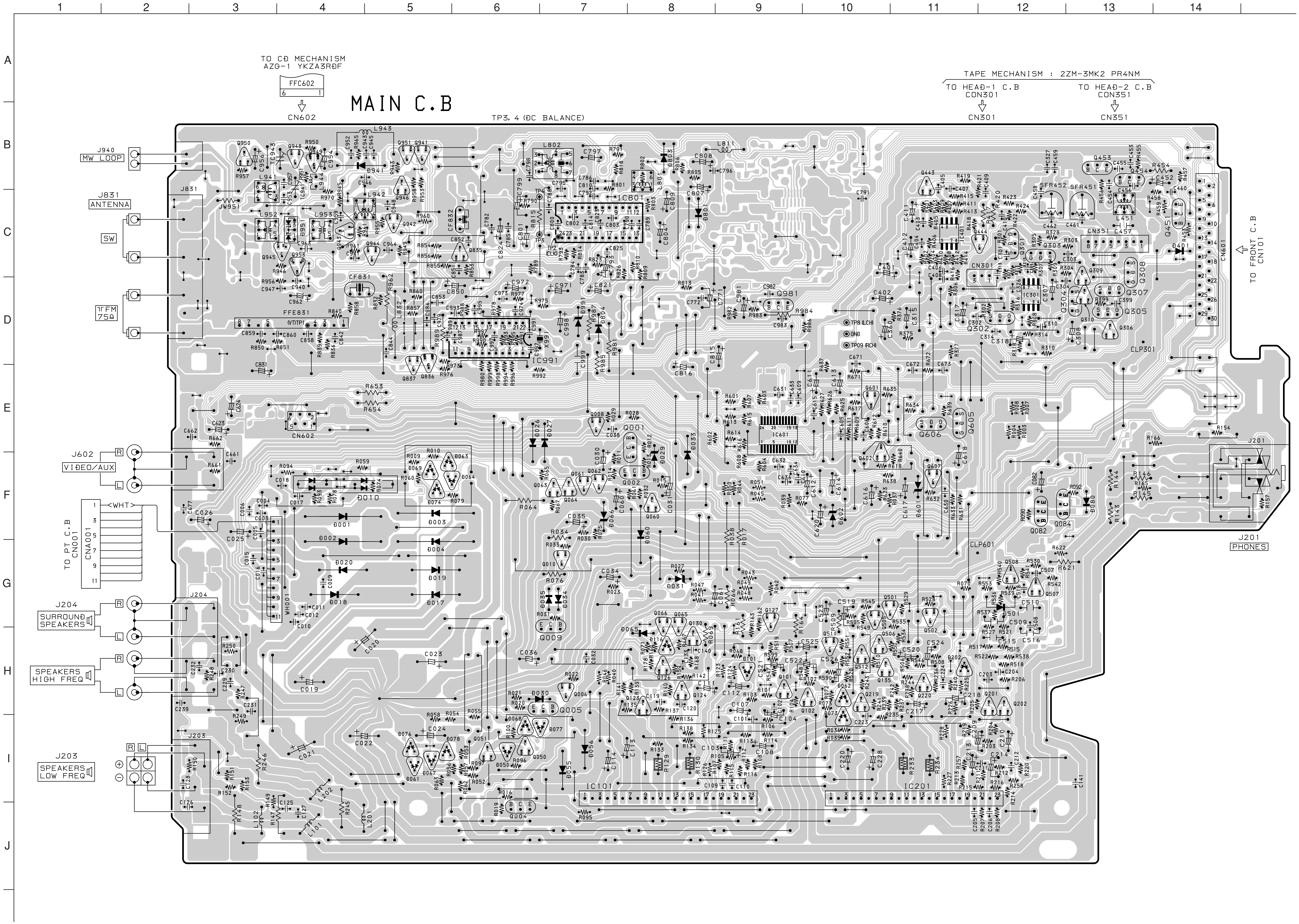
SCHEMATIC DIAGRAM-4 (TUNER SECTION) <HR>

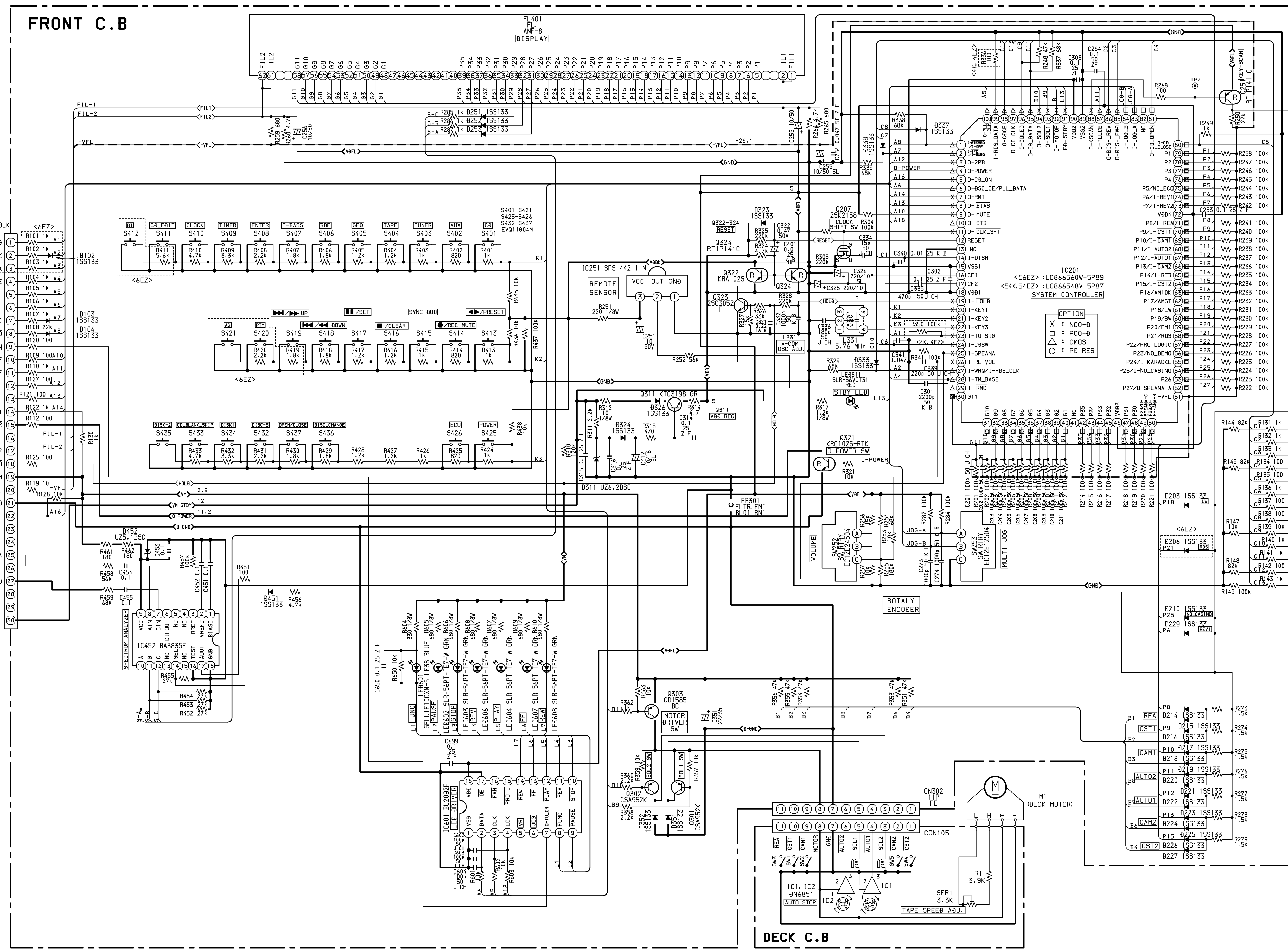


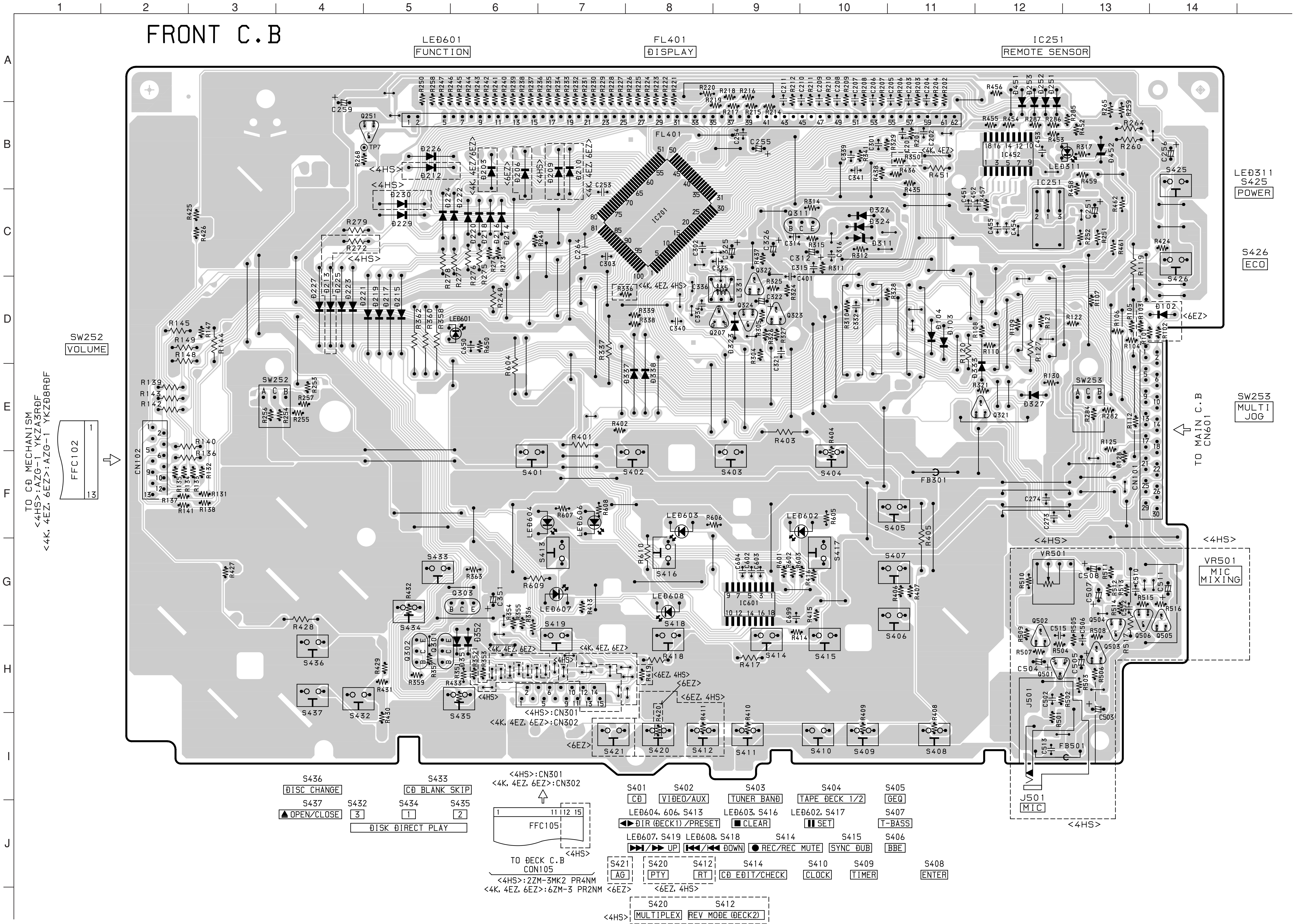
WIRING-1 (MAIN C.B) <EZ, K, HS>



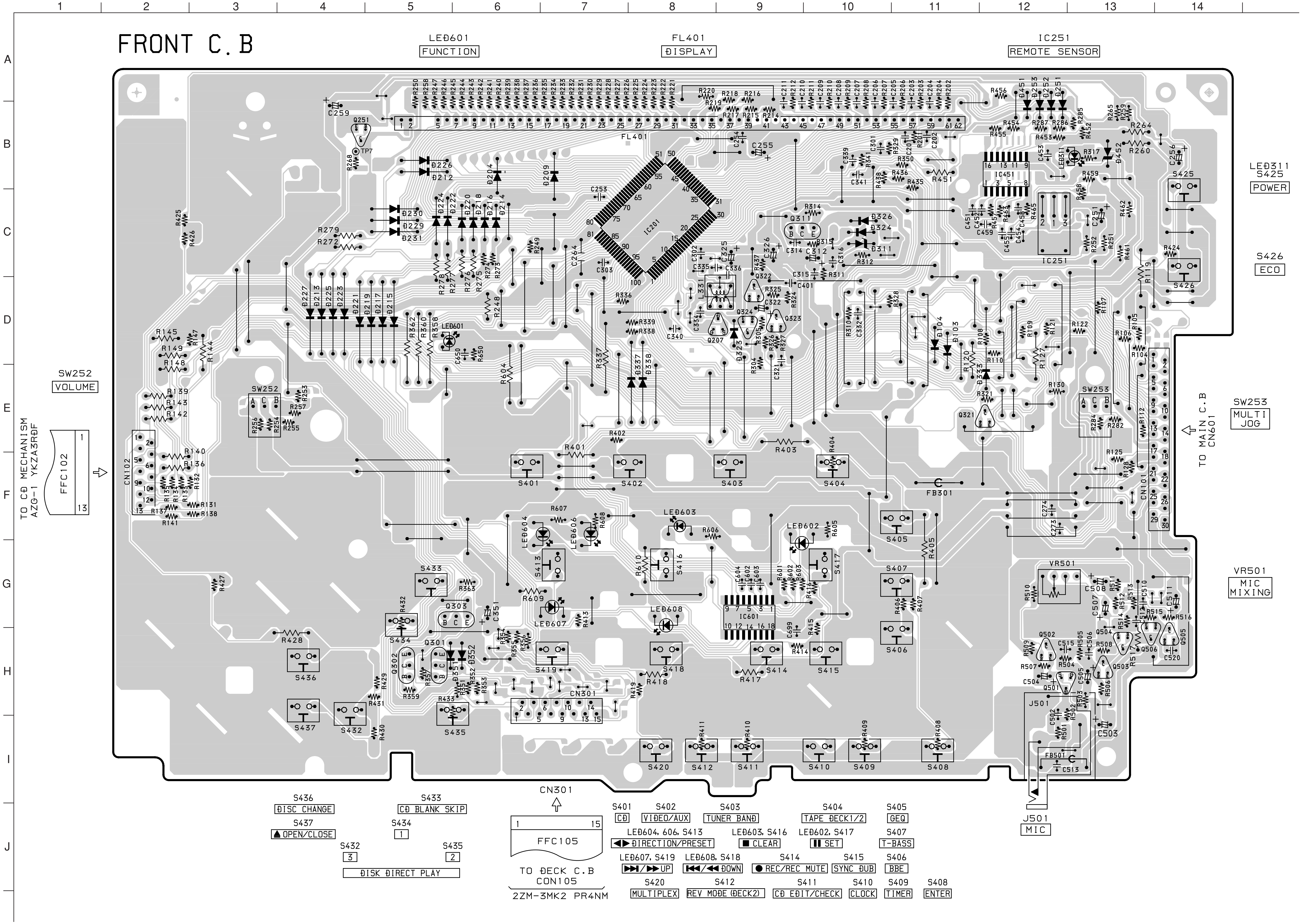
WIRING-2 (MAIN C.B) <HR>



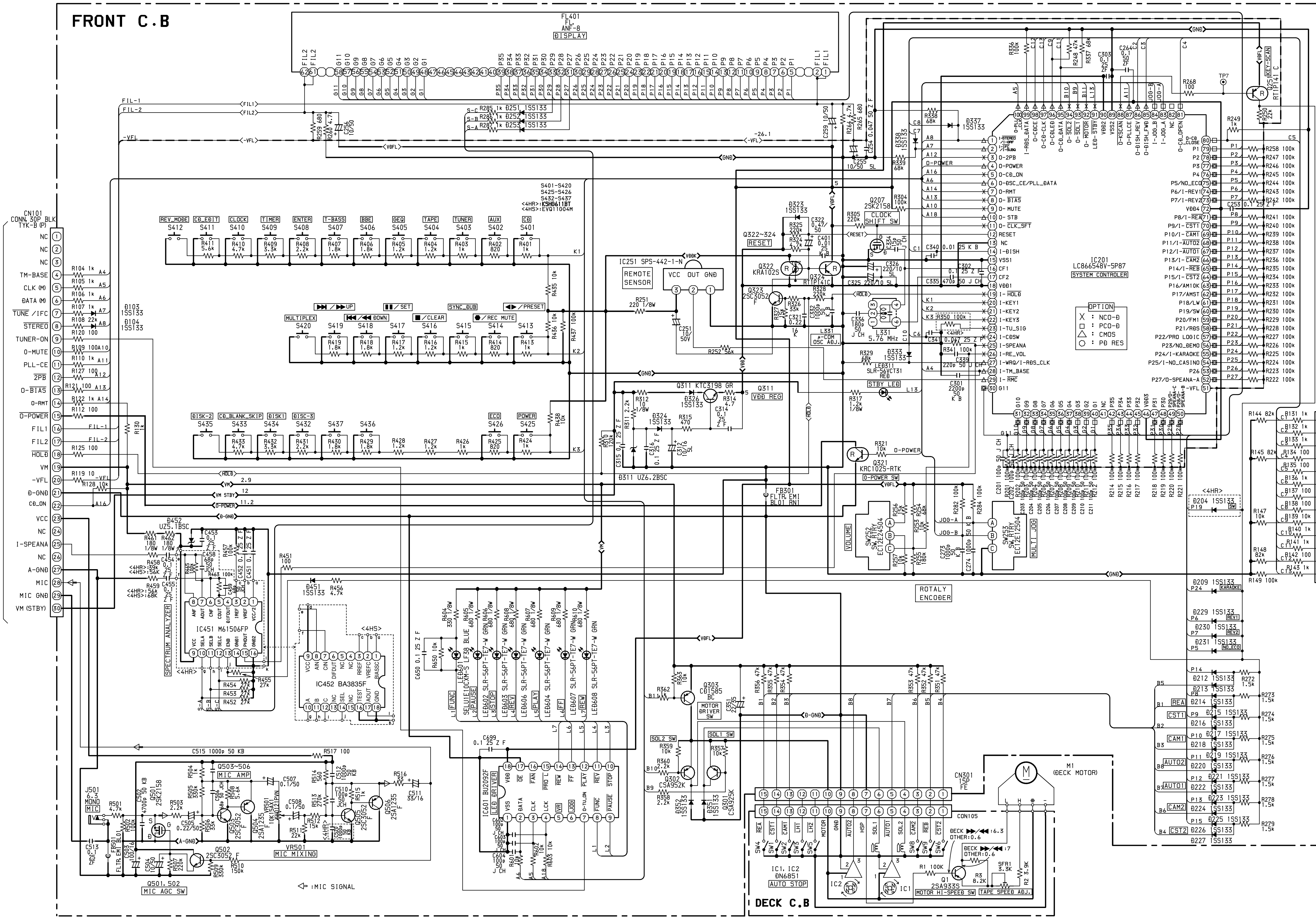

FRONT C.B
DECK C.B
FL401 FL ANF-8 DISPLAY
IC201 LC866560W-5P89 SYSTEM CONTROLLER
IC452 BA3835F SPECTRUM ANALYZER
IC601 BU2092F LED DRIVER
IC251 SPS-442-1-N REMOTE SENSOR
CN101 CONN 30P BLK TYK-B (P)
CN102 CONN 13P V BLK 6216
CN302 11P FE
CON105
M1 (DECK MOTOR)
TO MAIN C.B 1/2 (FUNCTION/AMP SECTION) CN601
TO CD MECHANISM AZD-1 YKZDBRDF
ROTALY ENCODER
VOLUME
MULTI JOG
MOTOR DRIVER SW
TAPE SPEED ADJ.
AUTO STOP


FRONT C.B
LED601 FUNCTION
FL401 DISPLAY
IC251 REMOTE SENSOR
LED311 S425 POWER
S426 ECO
SW252 VOLUME
SW253 MULTI JOG
VR501 MIC MIXING
TO CD MECHANISM
<4HS>:AZG-1 YKZA3RDF
<4K, 4EZ, 6EZ>:AZG-1 YKZD8RDF
FFC102
CN102
TO MAIN C.B CN601
CN101
J501 MIC
S436 DISC CHANGE
S433 CD BLANK SKIP
S437 ▲OPEN/CLOSE
S432 3
S434 1
S435 2
DISK DIRECT PLAY
<4HS>:CN301
<4K, 4EZ, 6EZ>:CN302
FFC105
TO DECK C.B CON105
<4HS>:2ZM-3MK2 PR4NM
<4K, 4EZ, 6EZ>:6ZM-3 PR2NM
S401 CD
S402 VIDEO/AUX
S403 TUNER BAND
S404 TAPE DECK 1/2
S405 GEQ
LED604, 606, S413 ◀▶DIR (DECK1)/PRESET
LED603, S416 ■CLEAR
LED602, S417 ❚❚SET
S407 T-BASS
LED607, S419 ▶▶❚/▶▶ UP
LED608, S418 ❚◀◀/◀◀ DOWN
S414 ● REC/REC MUTE
S415 SYNC DUB
S406 BBE
S421 AG
S420 PTY
S412 RT
S414 CD EDIT/CHECK
S410 CLOCK
S409 TIMER
S408 ENTER
<6EZ>
<6EZ, 4HS>
<4HS>
S420 MULTIPLEX
S412 REV MODE (DECK2)

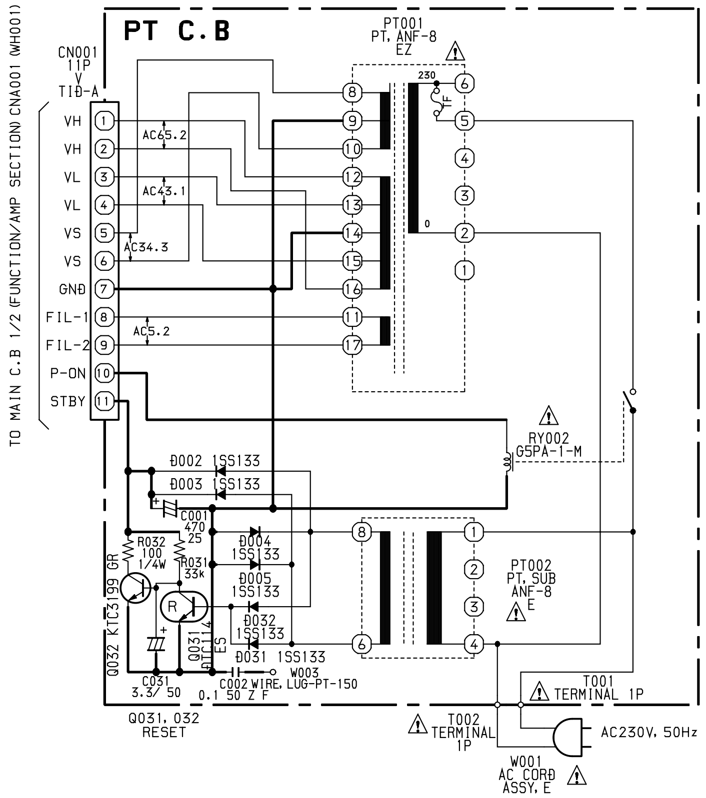
WIRING-4 (FRONT C.B) <HR>



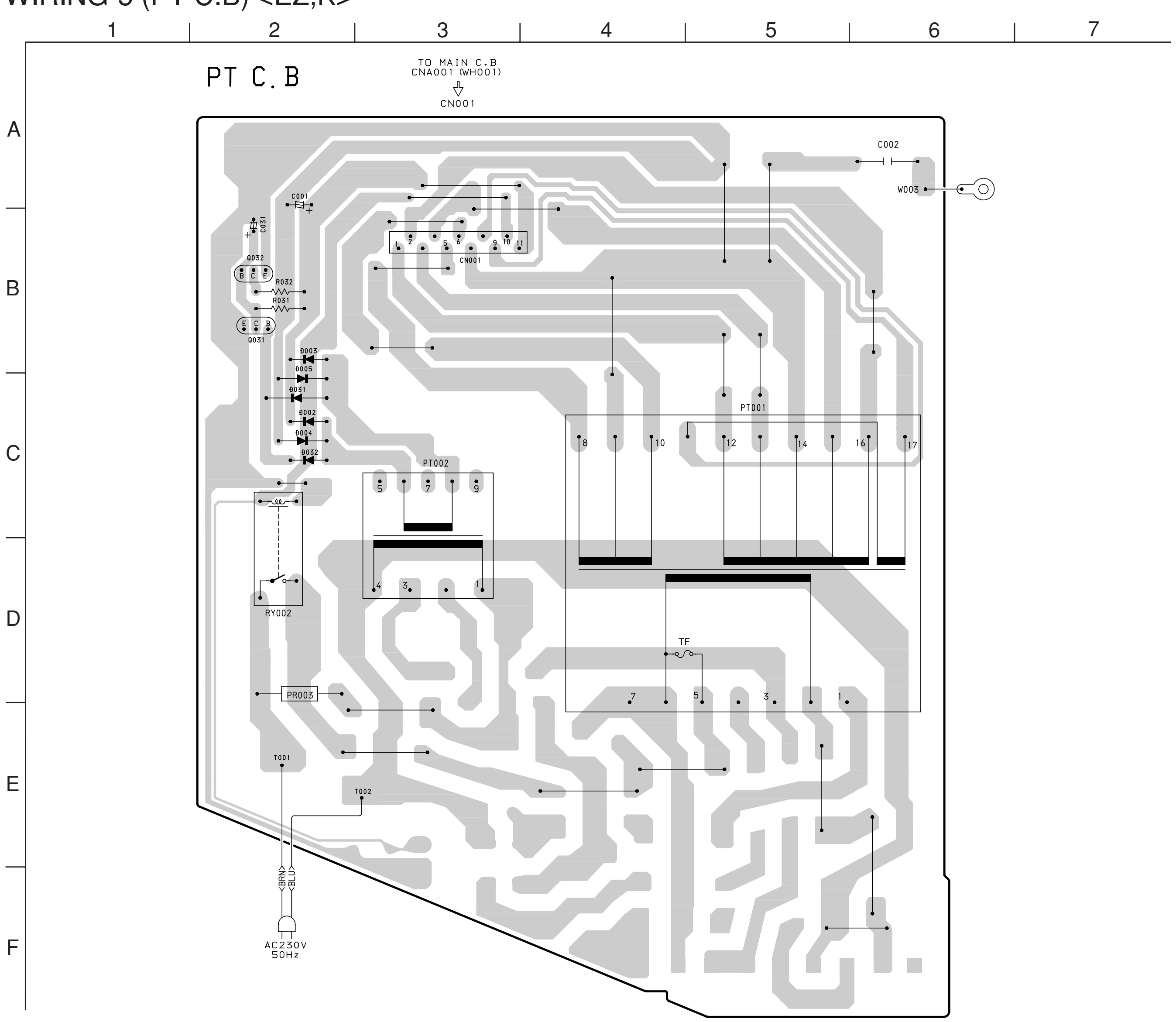
SCHEMATIC DIAGRAM-6 (FRONT SECTION) <HS, HR>



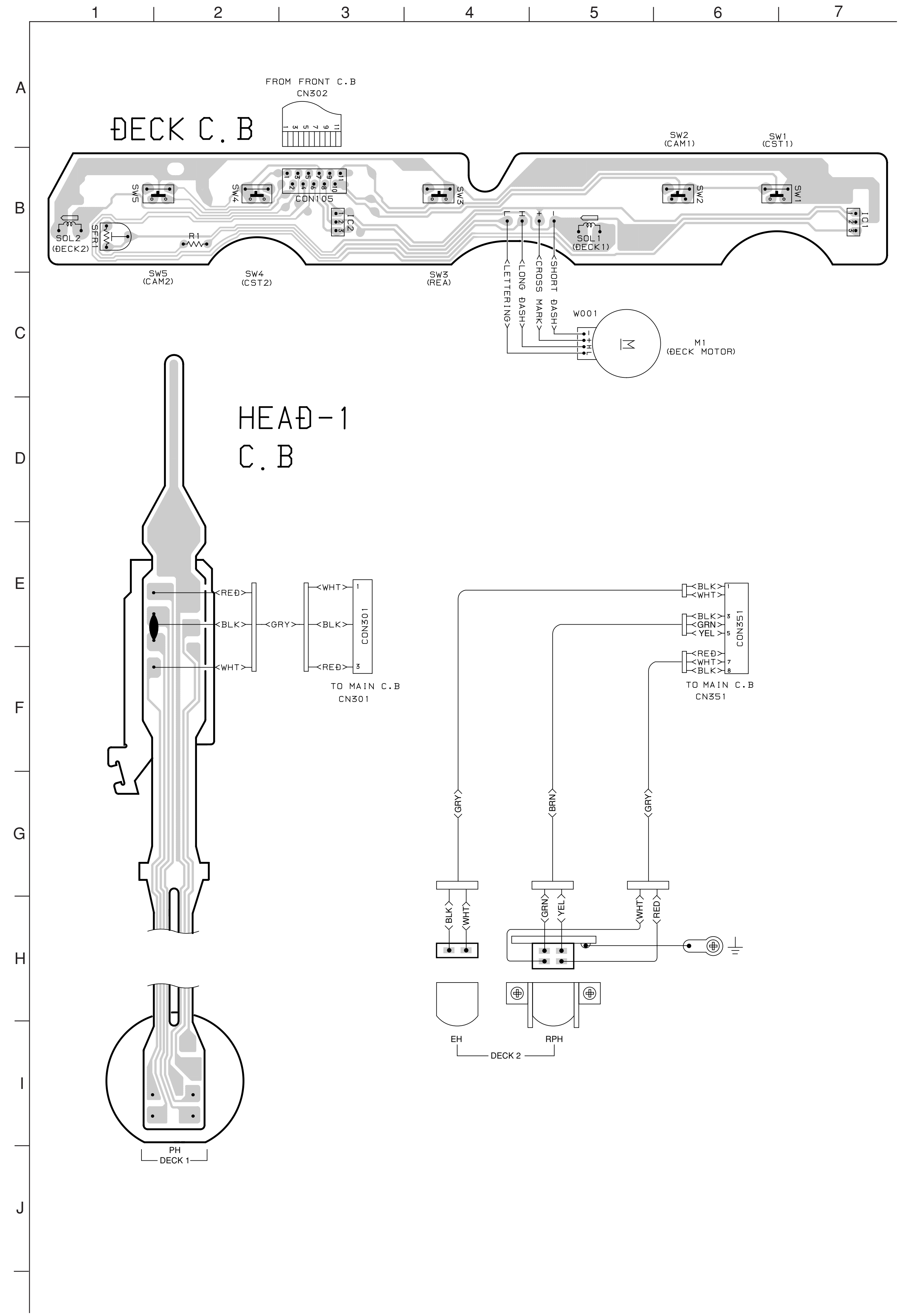
SCHEMATIC DIAGRAM-7 (PT SECTION) <EZ,K>



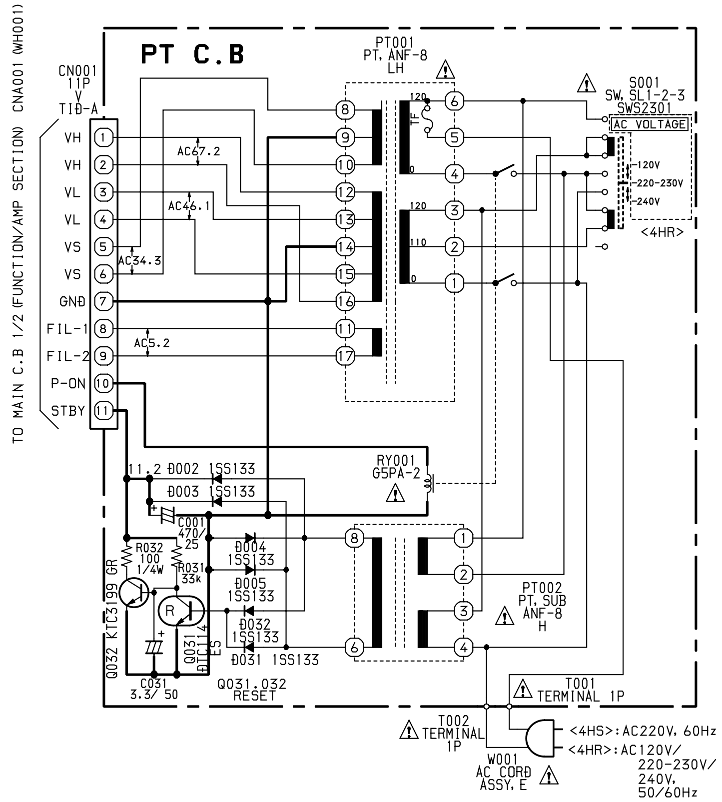
WIRING-5 (PT C.B) <EZ,K>



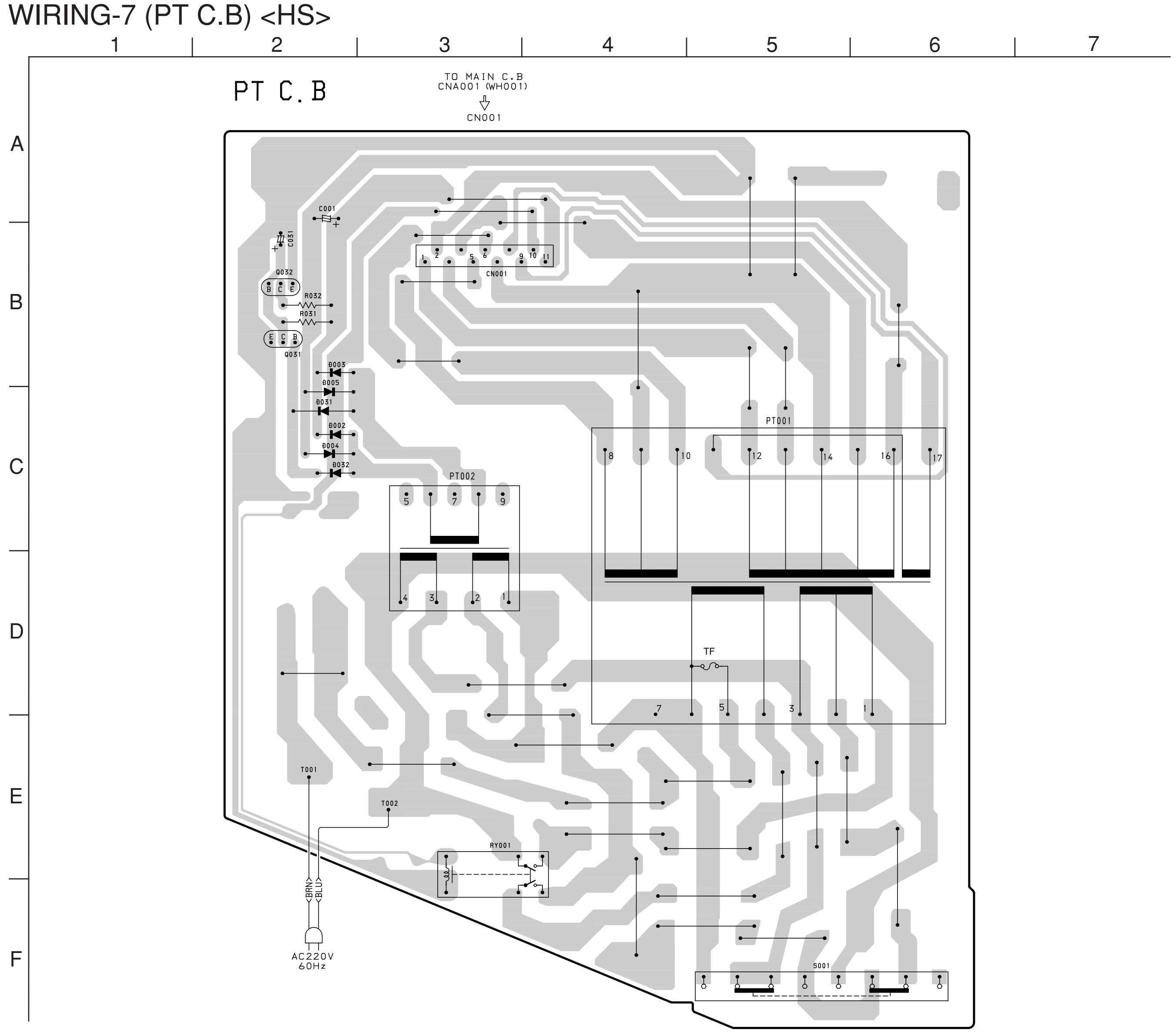
WIRING-6 (DECK C.B) <EZ,K>



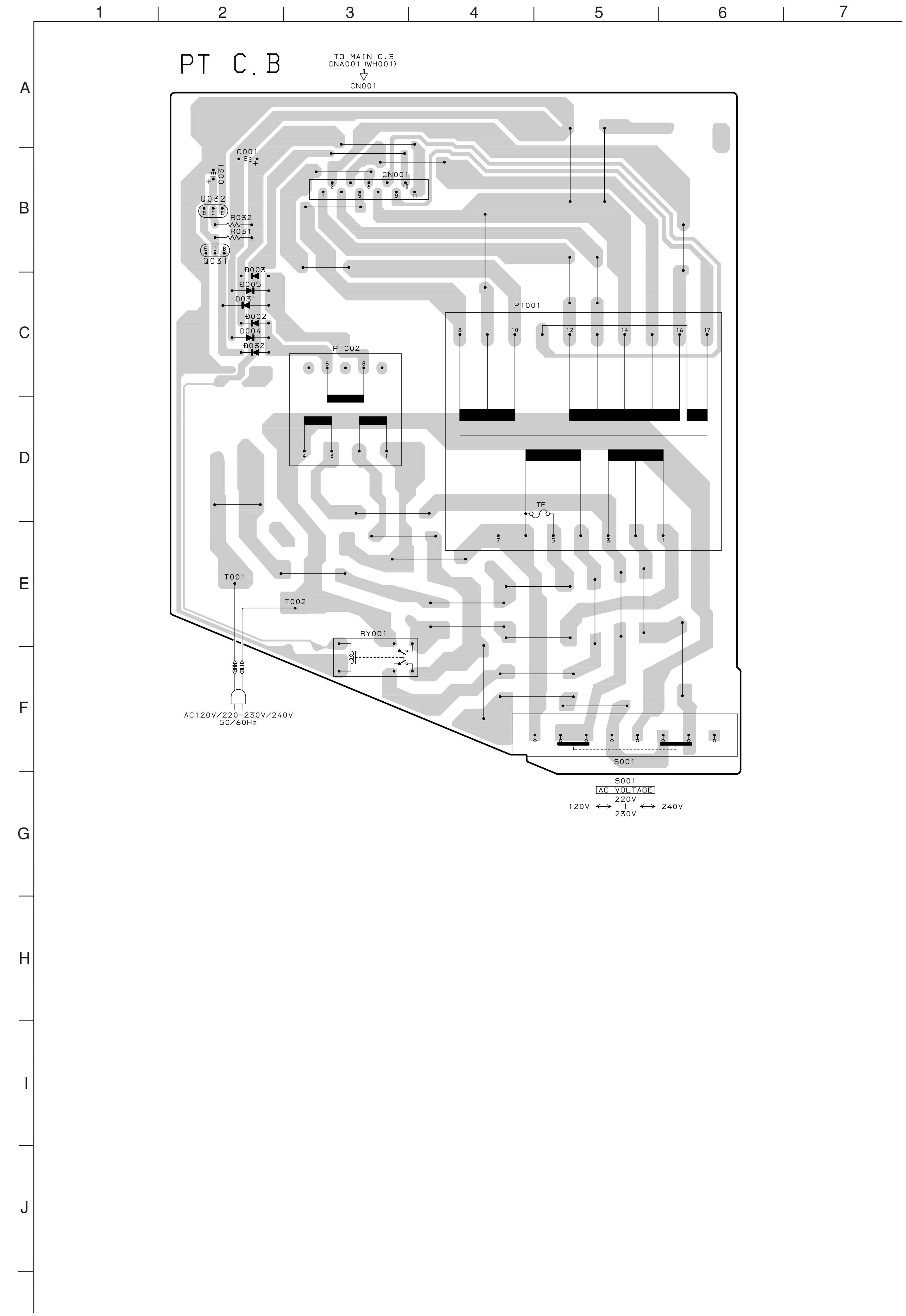
SCHEMATIC DIAGRAM-8 (PT SECTION) <HS, HR>



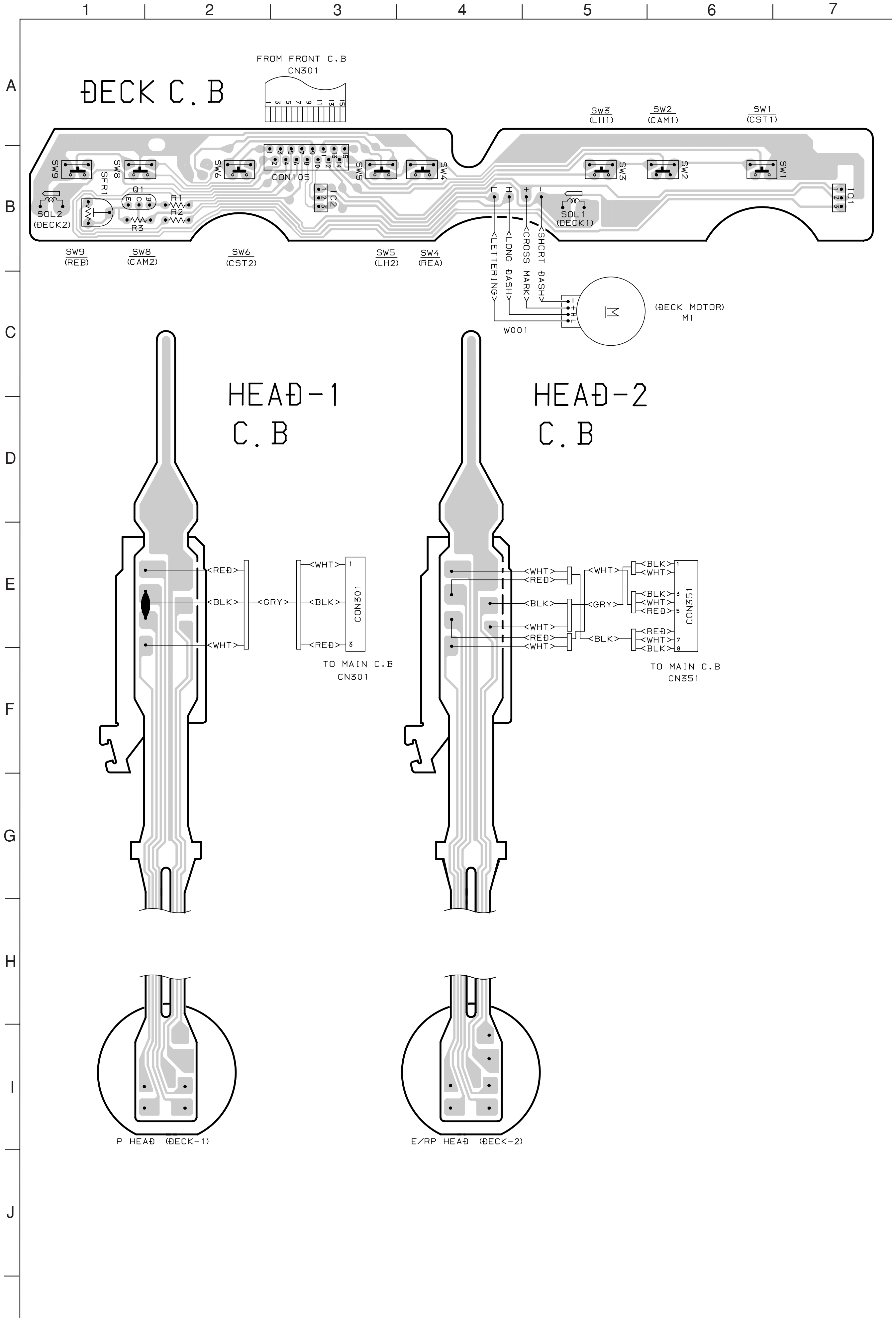
WIRING-7 (PT C.B) <HS>



WIRING-8 (PT C.B) <HR>

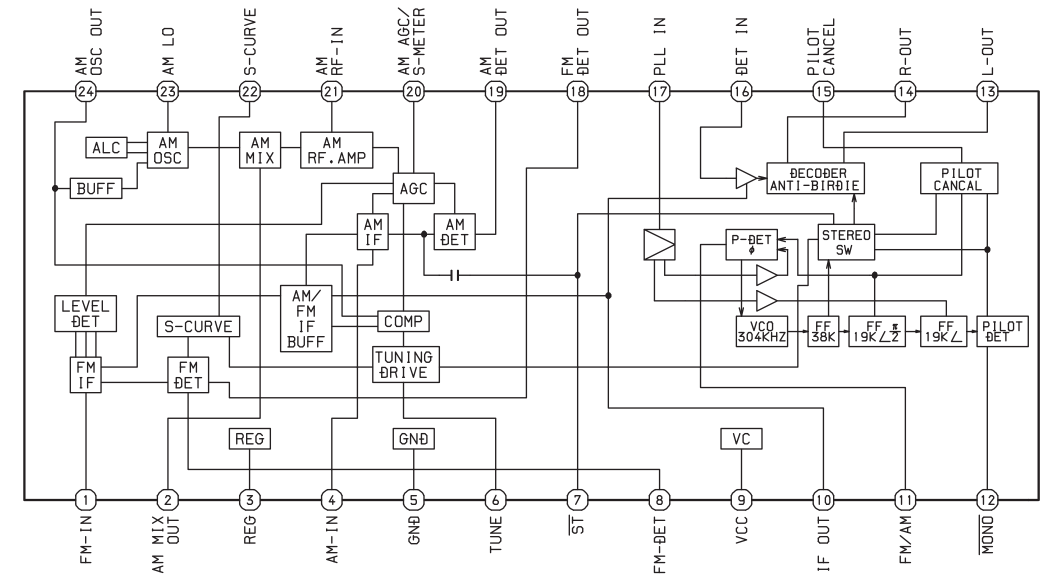


WIRING-9 (DECK C.B) <HS, HR>

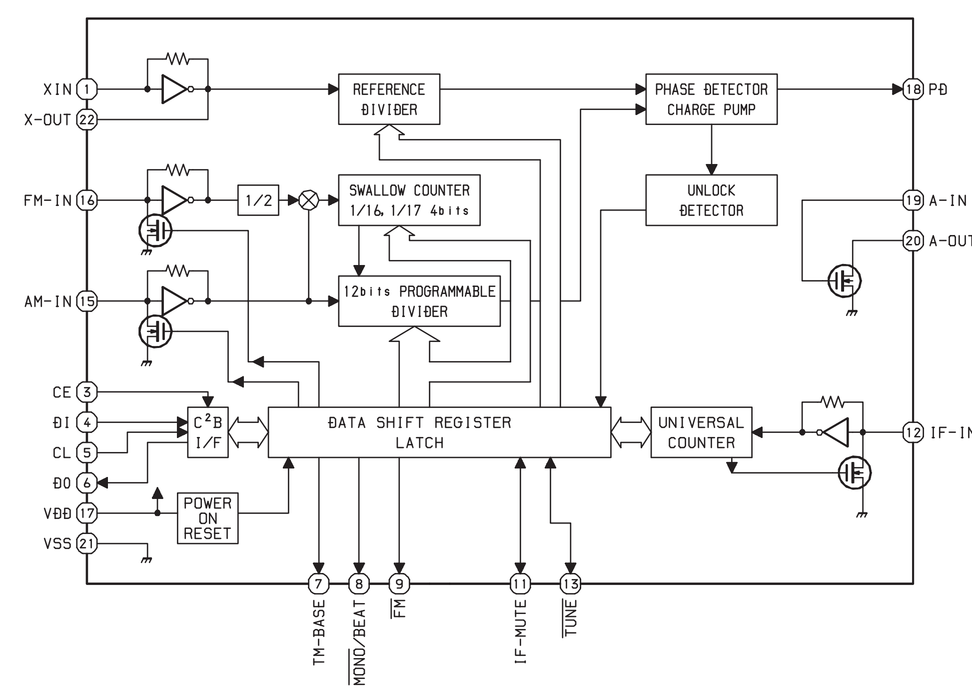


IC BLOCK DIAGRAM

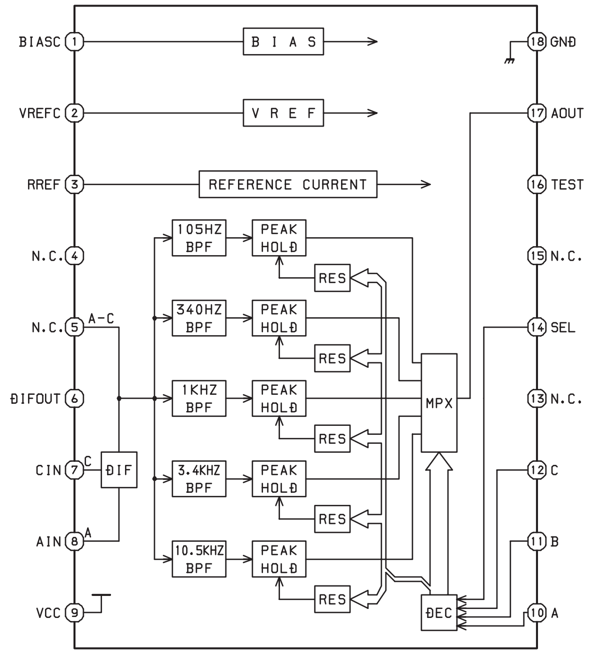
IC, LA1844



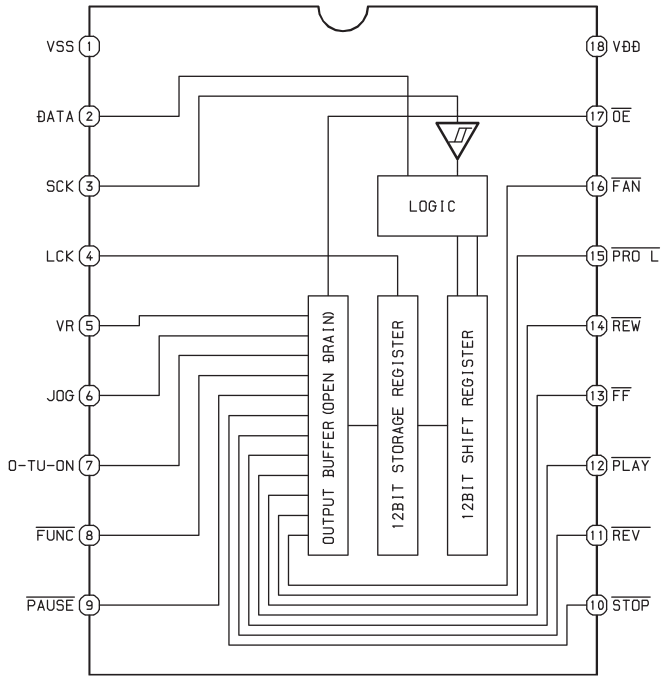
IC, LC72131D



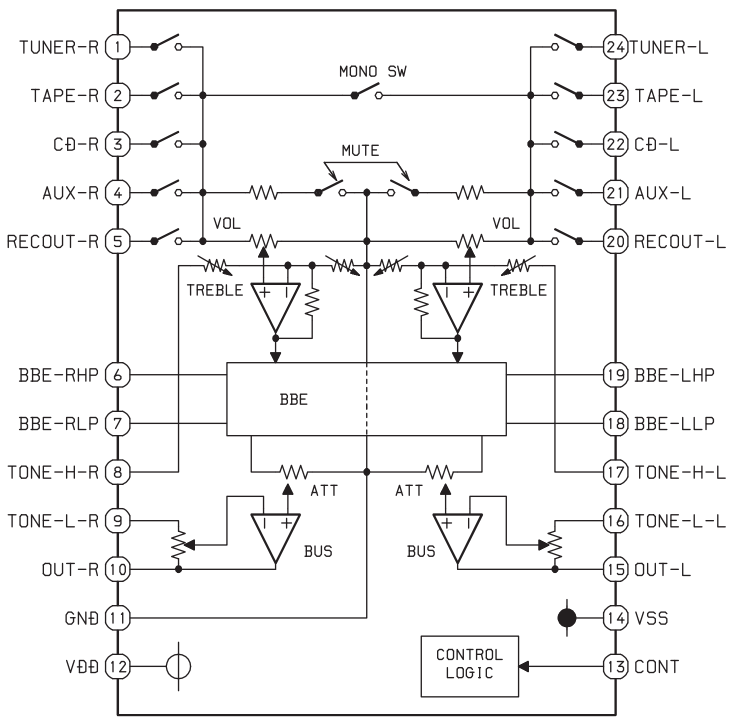
IC, BA3835F



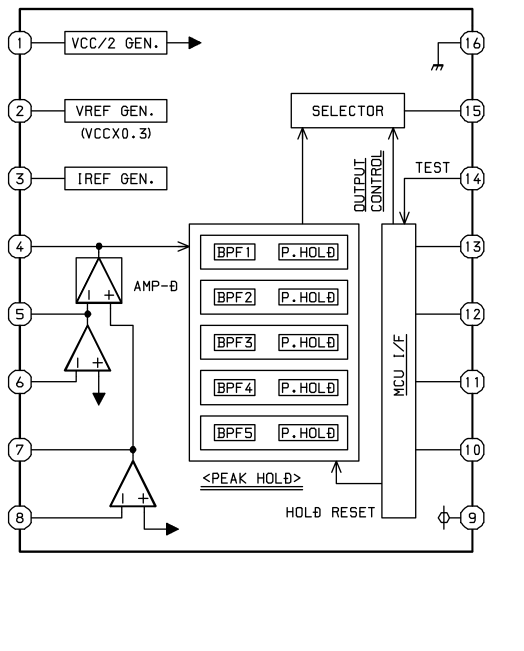
IC, BU2092F



IC, M61503FP



IC, M61506FP

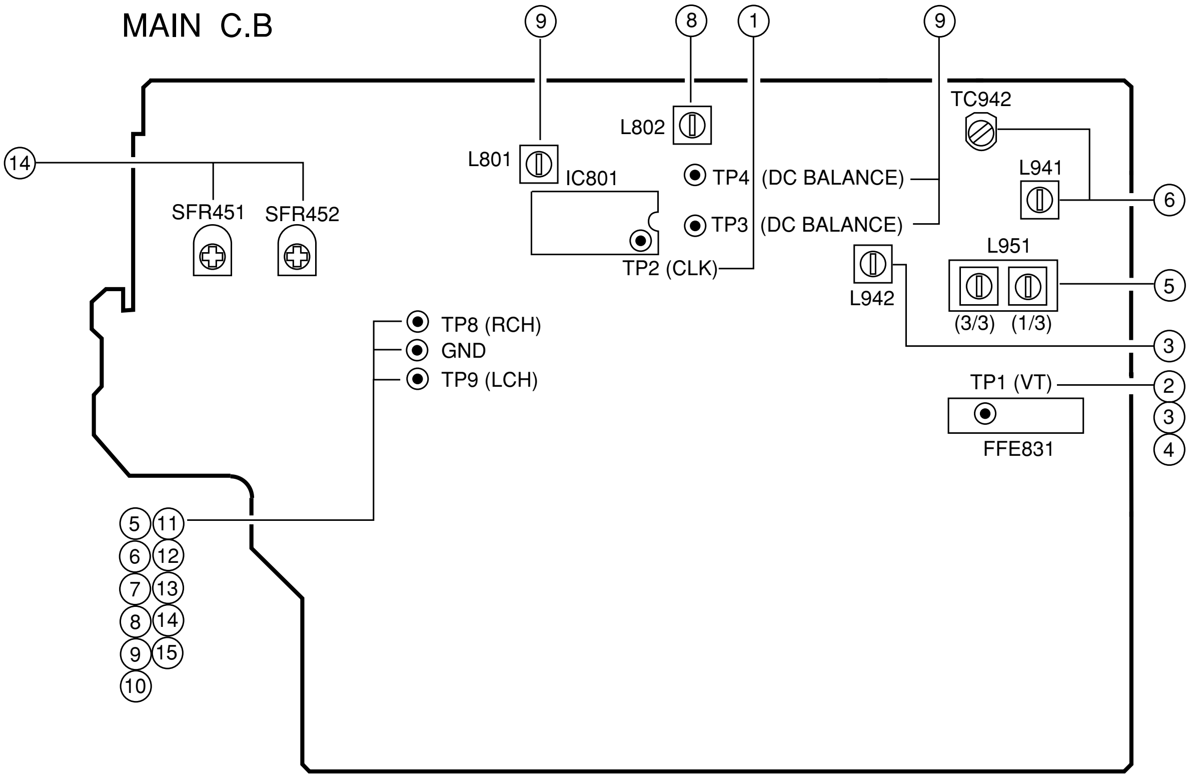


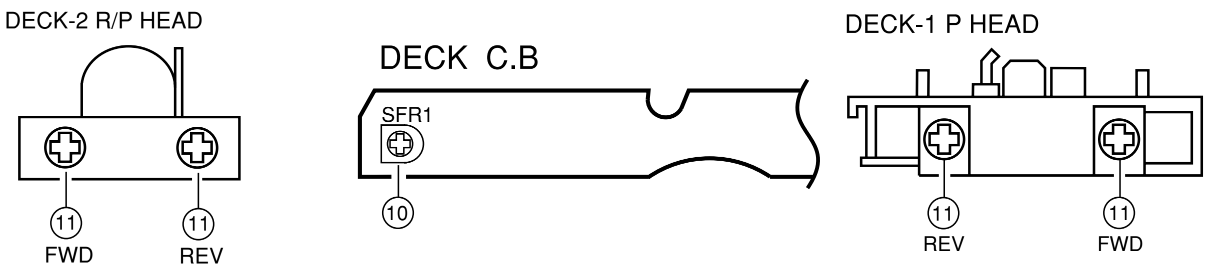
IC DESCRIPTION

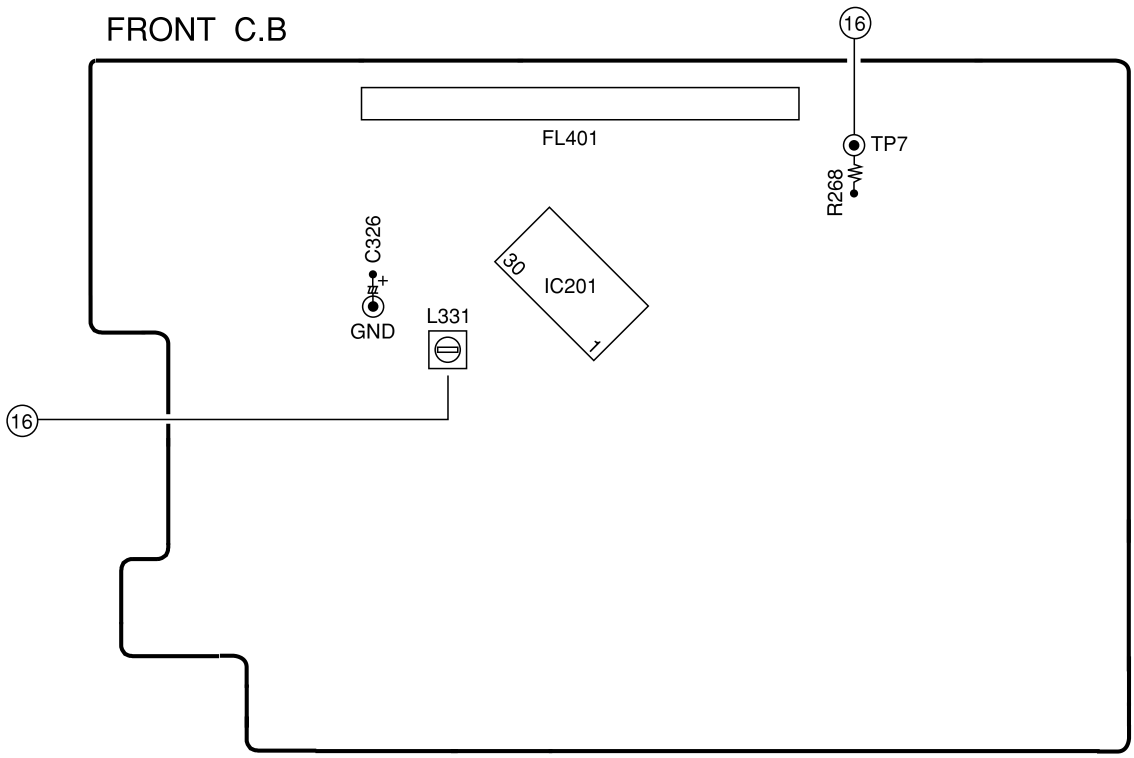
IC, LC866560W-5P89 <56EZ>, LC866548V-5P87 <Except 56EZ>

Pin No.	Pin Name	I/O	Description
1	I-STEREO/I-DRF	I	Stereo detected input/CD DRF input
2	I-IFC/I-SUBQ	I	Tune IF count serial data input/CD SUBQ input
3	O-2PB	O	Deck 2 playback switch output
4	O-POWER	O	System power supply ON/OFF output
5	O-CD-ON	O	CD power ON/OFF output
6	O-PLL_DATA	O	LED driver, Tuner IC, Function IC data output
7	O-RMT	O	Deck 2 REC MUTE output
8	O-BIAS	O	Deck 2 bias ON/OFF output
9	O-MUTE	O	System mute ON/OFF output
10	O-STB	O	Latch strobe output for LED driver IC
11	O-CLK_SFT	O	Micon clock shift output
12	RESET	I	System reset
13	NC	–	Not connected
14	I-DISH	I	CD turntable photo sensor A/D converter input
15	VSS1	–	GND
16	CF1	–	5.76 MHz oscillator circuit
17	CF2	–	5.76 MHz oscillator circuit
18	VDD1	–	Power supply input
19	I-HOLD	I	Power failure detected input
20	I-KEY1	I	KEY input (A/D)
21	I-KEY2	I	KEY input (A/D)
22	I-KEY3	I	KEY input (A/D)
23	I-TU_SIG	I	Tuner signal input
24	I-CDSW	I	CD mechanical switch A/D converter input
25	I-SPEANA	I	A/D input for spectrum analyzer display
26	I-RE_VOL	I	Rotary encoder input (VOL)
27	I-WRQ/I-RDS_CLK	I	CD WRQ input/Tuner RDS clock input
28	I-TM_BASE	I	Reference clock input for timer watch
29	I-RMC	I	System remotecontrol signal input
30 ~ 40	G11 ~ G1	O	FL GRID output G11 ~ G1
41	NC	–	Not connected
42 ~ 45	P35 ~ P32	O	FL SEGMENT output P35 ~ P32
46	VDD3	–	Power supply input
47 ~ 48	P31 ~ P30	O	FL SEGMENT output P31 ~ P30
49	P29/O-SPEANA-C	O	FL SEGMENT output P29/Spectrum analyzer band switching output
50	P28/O-SPEANA-B	O	FL SEGMENT output P28/Spectrum analyzer band switching output
51	VFL	–	Power supply input for FL display
52	P27/O-SPEANA-A	O	FL SEGMENT output P27/Spectrum analyzer band switch output
53	P26	O	FL SEGMENT output P26
54	P25/I-NO_CASINO	I/O	FL SEGMENT output P25/NO CASINO DEMO input to diode
55	P24/I-KARAOKE	I/O	FL SEGMENT output P24/KARAOKE input to diode
56	P23/NO_DEMO	I/O	FL SEGMENT output P23/NO DEMO input to diode

Pin No.	Pin Name	I/O	Description
57	P22/PRO LOGIC	I/O	FL SEGMENT output P22/PROLOGIC input to diode (not used)
58	P21/RDS	I/O	FL SEGMENT output P21/RDS input to diode
59	P20/FM1	I/O	FL SEGMENT output P20/FM1 input to diode
60	P19/SW	I/O	FL SEGMENT output P19/SW input to diode
61	P18/LW	I/O	FL SEGMENT output P18/LW input to diode
62	P17/AMST	I/O	FL SEGMENT output P17/AMST input to diode
63	P16/AM10K	I/O	FL SEGMENT output P16/AM10K input to diode
64	P15/I-CST2	I/O	FL SEGMENT output P15/DECK2 cassette detect switch data input
65	P14/I-REB	I/O	FL SEGMENT output P14/DECK2 side-B record OK switch data input
66	P13/I-CAM2	I/O	FL SEGMENT output P13/DECK2 CAM switch signal input
67	P12/I-AUTO1	I/O	FL SEGMENT output P12/DECK1 AUTO STOP signal input
68	P11/I-AUTO2	I/O	FL SEGMENT output P11/DECK2 AUTO STOP signal input
69	P10/I-CAM1	I/O	FL SEGMENT output P10/DECK1 CAM switch data input
70	P9/I-CST1	I/O	FL SEGMENT output P9/DECK1 cassette detect switch data input
71	P8/I-REA	I/O	FL SEGMENT output P8/DECK2 side A record OK switch data input
72	VDD4	–	Power supply input
73	P7/I-REV2	I/O	FL SEGMENT output P7/DECK2 REVERSE mode input to diode
74	P6/I-REV1	I/O	FL SEGMENT output P6/DECK1 REVERSE mode input to diode
75	P5/NO_ECO	I/O	FL SEGMENT output P5/NO ECO MODE input to diode
76 ~ 79	P4 ~ P1	O	FL SEGMENT output P4 ~ P1
80	O-CD CLOSE	O	CD TRAY CLOSE data output
81	O-CD OPEN	O	CD TRAY OPEN data output
82	NC	–	Not connected
83	I-JOG_A	I	Rotary encoder A input (JOG)
84	I-JOG_B	I	Rotary encoder B input (JOG)
85	O-DISH_FWD	O	CD turntable forward rotation output
86	O-DISH_REV	O	CD turntble reverse rotation output
87	O-PLL_CE	O	PLL IC chip enable output
88	O-KSCAN	O	Switch SCAN timing output
89	VSS2	–	GND
90	VDD2	–	Power supply input
91	LED-STBY	O	STAND BY LED (Echo mode) ouput
92	O-MOTOR	O	DECK MOTOR ON/OFF output
93	O-SOL1	O	DECK1 soleroid ouput
94	O-SOL2	O	DECK2 soleroid ouput
95	O-CD-DATA	O	CD DATA output
96	O-CD-LED	O	CD LED output
97	O-CD CLK	O	CD clock output
98	O-CD CE	O	CD chip enable output
99	I-RDS_DATA	I	RDS data input
100	O-PLL_CLK	O	PLL IC CLOCK output


MAIN C.B
L801
L802
IC801
TP4 (DC BALANCE)
TP3 (DC BALANCE)
TP2 (CLK)
TC942
L941
L951
L942
(3/3) (1/3)
SFR451
SFR452
TP8 (RCH)
GND
TP9 (LCH)
TP1 (VT)
FFE831


DECK-2 R/P HEAD
FWD
REV
DECK C.B
SFR1
DECK-1 P HEAD
REV
FWD


FRONT C.B
FL401
TP7
R268
C326
GND
IC201
L331

< TUNER SECTION >

1. Clock frequency Check
   Settings : • Test point : TP2
   Method : Set to AM 1602kHz and check that the test point is 2052kHz ± 45Hz.

2. MW VT Check
   Settings : • Test point : TP1 (VT)
   Method : Set to MW 1602kHz, 531kHz and check that the test point is less than 8.0V (1602kHz) and more than 0.6V (531kHz).

3. LW VT Adjustment
   Settings : • Test point : TP1 (VT)
   • Adjustment location: L942
   Method : Set to LW 144kHz and adjust L942 so that the test point is 1.3V ± 0.05V.
   Then set to LW 290kHz and check that the test point is less than 8.0V.

4. FM VT Check
   Settings : • Test point : TP1 (VT)
   Method : Set to FM 87.5MHz, 108.0MHz and check that the test point is more than 0.5V (87.5MHz) and less than 8.0V (108.0MHz).

5. MW Tracking Adjustment
   Settings : • Test point : TP8(Lch), TP9(Rch)
   • Adjustment location :
   L951(1/3) 999kHz
   Method : Set to MW 999kHz and adjust L951(1/3) so that the level at the test point becomes maximum.

6. LW Tracking Adjustment
   Settings : • Test point : TP8(Lch), TP9(Rch)
   • Adjustment location : L941, TC942
   Method : Set up TC942 to center position.
   Set to LW 144kHz and adjust L941 so that the level at test point becomes maximum.
   Then set to LW 290kHz and adjust TC942 so that the level at test point becomes maximum.

7. FM Tracking Check
   Settings : • Test point : TP8(Lch), TP9(Rch)
   Method : Set to FM 98.0MHz and check that the test point is less than 13dBμV.

8. AM IF Adjustment
   Settings : • Test point : TP8(Lch), TP9(Rch)
   • Adjustment location :
   L802 .... 999kHz

9. DC Balance / Mono Distortion Adjustment
   Settings : • Test point : TP3, TP4 (DC Balance)
   : TP8(Lch), TP9(Rch) (Distortion)
   • Adjustment location : L801
   • Input level : 60dBμV
   Method : Set to FM 98.0MHz and adjust L801 so that the voltage between TP3 and TP4 becomes 0V ± 0.3V.
   Next, check that the distortion is less than 1.3%.

< DECK SECTION >

10. Tape Speed Adjustment (DECK 2)
    Settings : • Test tape : TTA–100
    • Test point : TP8(Lch), TP9(Rch)
    • Adjustment location : SFR1
    Method : Play back the test tape and adjust SFR1 so that the frequency counter reads 3000Hz ± 5Hz and ±45Hz (REV) with respect to forward speed.

11. Head Azimuth Adjustment (DECK 1, DECK 2)
    Settings : • Test tape : TTA–330
    • Test point : TP8(Lch), TP9(Rch)
    • Adjustment location : Head azimuth adjustment screw
    Method : Play back (FWD) the 8kHz signal of the test tape and adjust screw so that the output becomes maximum. Next, perform on REV PLAY mode.

12. PB Frequency Response Check (DECK 1, DECK 2)
    Settings : • Test tape : TTA–300
    • Test point :TP8(Lch), TP9(Rch)
    Method : Play back the 315Hz and 8kHz signals of the test tape and check that the output ratio of the 8kHz signal with respect to that of the 315Hz signal is within 5dB.

13. PB Sensitivity Check (DECK 1, DECK 2)
    Settings : • Test tape : TTA–200
    • Test point : TP8(Lch), TP9(Rch)
    Method : Play back the test tape and check that the output level of the test point is 140mV ± 3dB.

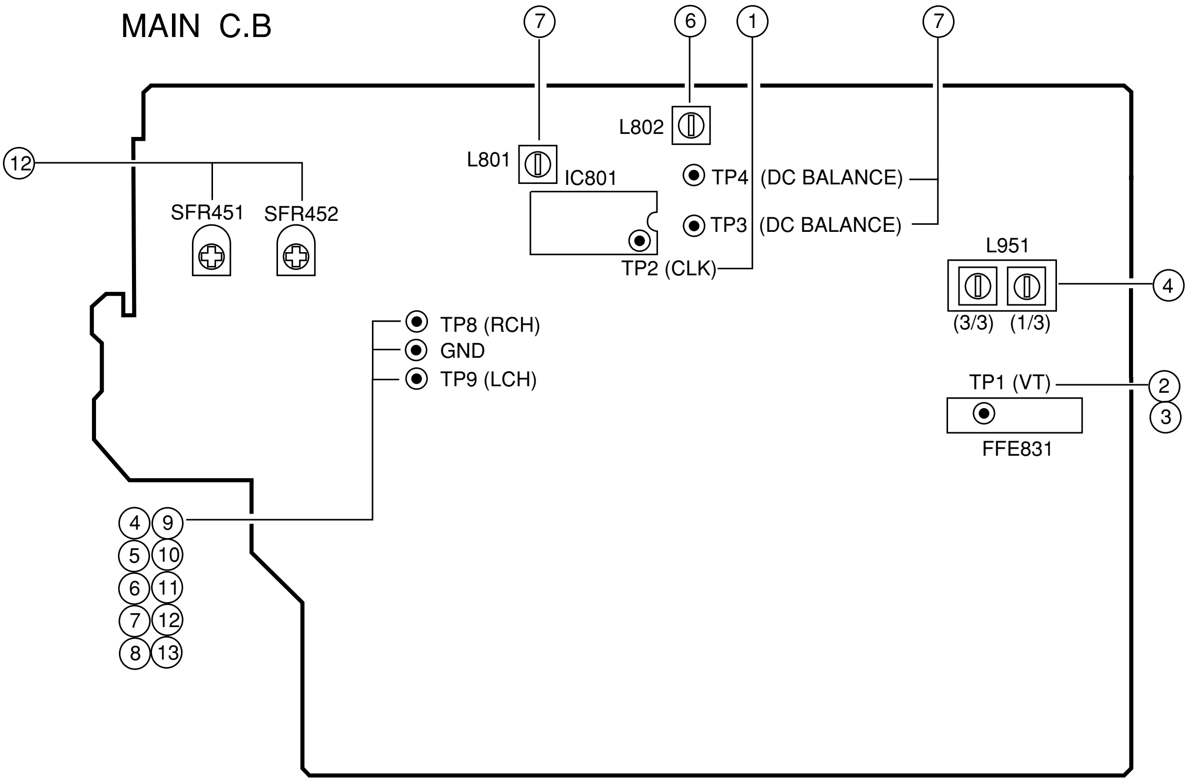
14. REC/PB Frequency Response Adjustment (DECK 2)
    Settings : • Test tape : TTA–602
    • Test point : TP8(Lch), TP9(Rch)
    • Input signal : 1kHz / 8kHz (LINE IN)
    • Adjustment location : SFR451 (Lch)
    SFR452 (Rch)
    Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP8, TP9 becomes -20VU. Record and play back the 1kHz and 8kHz signals and adjust SFRs so that the output of the 8kHz signals becomes 0dB ± 0.5dB with respect to that of the 1kHz signal.

15. REC/PB Sensitivity Check (DECK 2)
    Settings : • Test tape : TTA–602
    • Test point : TP8(Lch), TP9(Rch)
    • Input signal : 1kHz (LINE IN)
    Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at TP8, TP9 becomes 0VU. Record and play back the 1kHz signals and check that the output is –2dB ± 3.0dB.

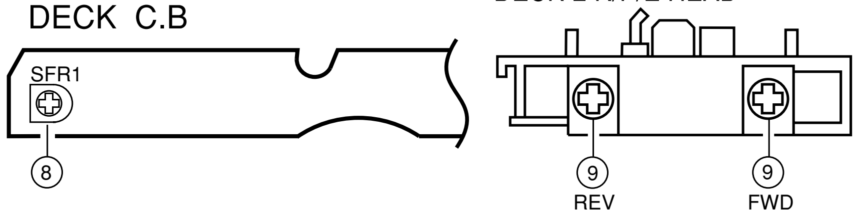
< FRONT SECTION >

16. μ-CON OSC Adjustment
    Settings : • Test point : TP7 and GND
    • Adjustment location : L331
    Method : Insert AC plug while pressing POWER and TUNER function keys. Adjust L331 so that the frequency atthe test point is 153.84Hz ± 0.15Hz.

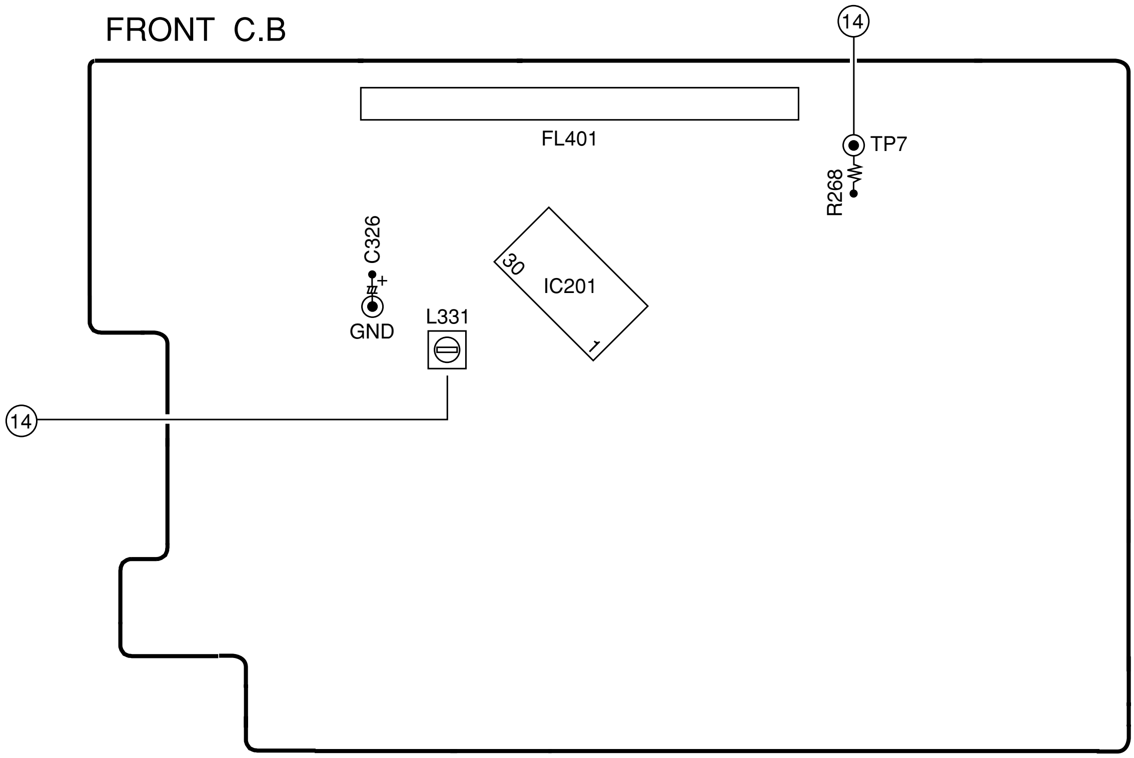
MAIN C.B



DECK C.B



FRONT C.B



< TUNER SECTION >

1. Clock frequency Check
   Settings : • Test point : TP2
   Method : Set to AM 1602kHz and check that the test point is 2052kHz ± 45Hz.

2. AM VT Check
   Settings : • Test point : TP1 (VT)
   Method : Set to AM 1710kHz, 530kHz and check that the test point is less than 8.5V (1710kHz) and more than 0.6V (530kHz).

3. FM VT Check
   Settings : • Test point : TP1 (VT)
   Method : Set to FM 87.5MHz, 108.0MHz and check that the test point is more than 0.5V (87.5MHz) and less than 8.0V (108.0MHz).

4. AM Tracking Adjustment
   Settings : • Test point : TP8(Lch), TP9(Rch)
   • Adjustment location :
   L951(1/3) 1000kHz
   Method : Set to AM 1000kHz and adjust L951(1/3) so that the level at the test point becomes maximum.

5. FM Tracking Check
   Settings : • Test point : TP8(Lch), TP9(Rch)
   Method : Set to FM 98.0MHz and check that the test point is less than 9dBμV.

6. AM IF Adjustment
   Settings : • Test point : TP8(Lch), TP9(Rch)
   • Adjustment location :
   L802 .... 1000kHz

7. DC Balance / Mono Distortion Adjustment
   Settings : • Test point : TP3, TP4 (DC Balance)
   : TP8(Lch), TP9(Rch) (Distortion)
   • Adjustment location : L801
   • Input level : 60dBμV
   Method : Set to FM 98.0MHz and adjust L801 so that the voltage between TP3 and TP4 becomes 0V ± 0.3V. Next, check that the distortion is less than 1.3%.

< DECK SECTION >

8. Tape Speed Adjustment (DECK 2)
   Settings : • Test tape : TTA–100
   • Test point : TP8(Lch), TP9(Rch)
   • Adjustment location : SFR1
   Method : Play back the test tape and adjust SFR1 so that the frequency counter reads 3000Hz ± 5Hz and ±45Hz (REV) with respect to forward speed.

9. Head Azimuth Adjustment (DECK 1, DECK 2)
   Settings : • Test tape : TTA–330
   • Test point : TP8(Lch), TP9(Rch)
   • Adjustment location : Head azimuth adjustment screw
   Method : Play back (FWD) the 8kHz signal of the test tape and adjust screw so that the output becomes maximum. Next, perform on REV PLAY mode.

10. PB Frequency Response Check (DECK 1, DECK 2)
   Settings : • Test tape : TTA–300
   • Test point :TP8(Lch), TP9(Rch)
   Method : Play back the 315Hz and 8kHz signals of the test tape and check that the output ratio of the 8kHz signal with respect to that of the 315Hz signal is within 5dB.

11. PB Sensitivity Check (DECK 1, DECK 2)
   Settings : • Test tape : TTA–200
   • Test point : TP8(Lch), TP9(Rch)
   Method : Play back the test tape and check that the output level of the test point is 140mV ± 3dB.

12. REC/PB Frequency Response Adjustment (DECK 2)
   Settings : • Test tape : TTA–602
   • Test point : TP8(Lch), TP9(Rch)
   • Input signal : 1kHz / 8kHz (LINE IN)
   • Adjustment location : SFR451 (Lch)
   SFR452 (Rch)
   Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP8, TP9 becomes -20VU. Record and play back the 1kHz and 8kHz signals and adjust SFRs so that the output of the 8kHz signals becomes 0dB ± 0.5dB with respect to that of the 1kHz signal.

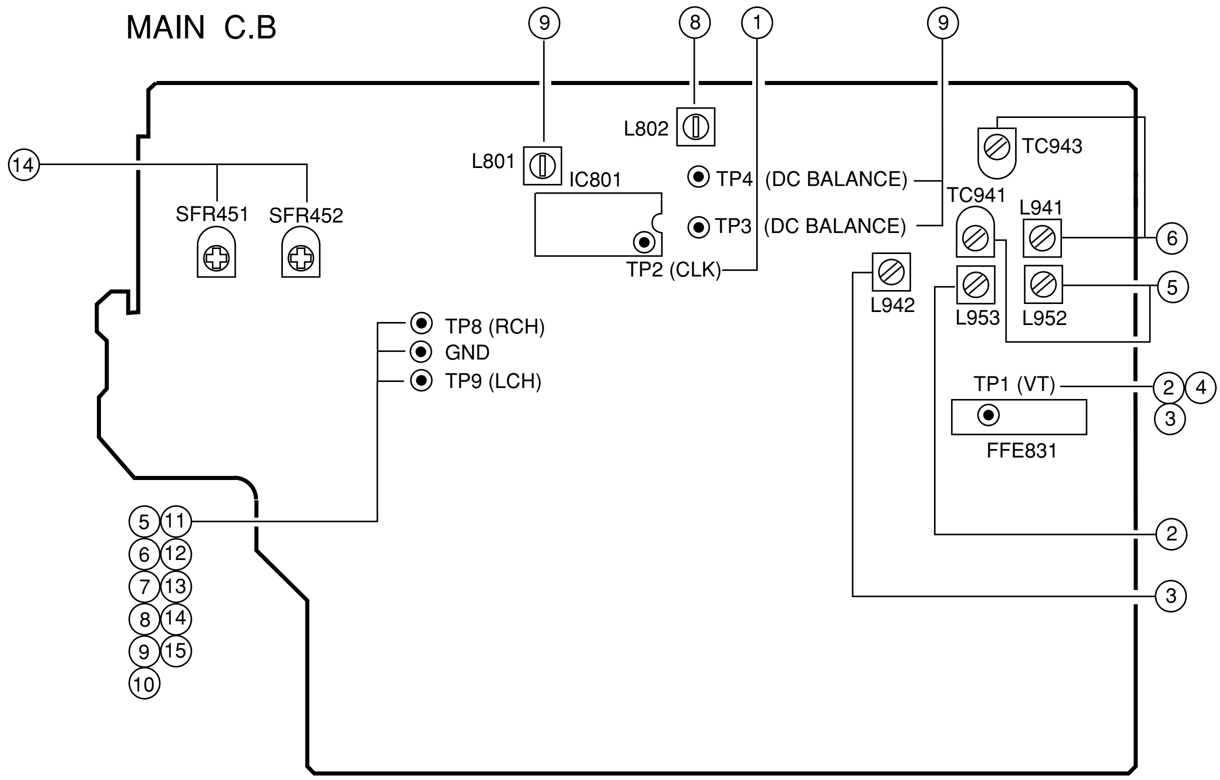
13. REC/PB Sensitivity Check (DECK 2)
   Settings : • Test tape : TTA–602
   • Test point : TP8(Lch), TP9(Rch)
   • Input signal : 1kHz (LINE IN)
   Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at TP8, TP9 becomes 0VU. Record and play back the 1kHz signals and check that the output is –2dB ± 3.0dB.

< FRONT SECTION >

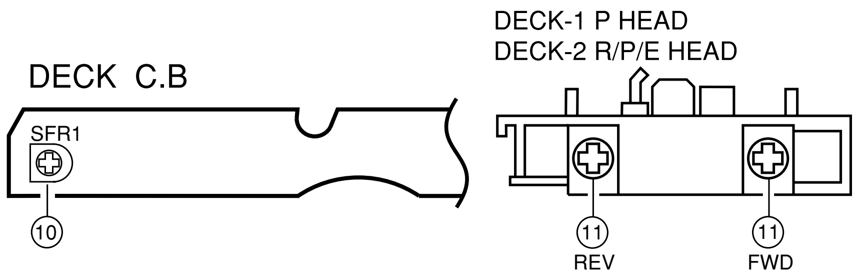
14. μ-CON OSC Adjustment
   Settings : • Test point : TP7 and GND
   • Adjustment location : L331
   Method : Insert AC plug while pressing POWER and TUNER function keys. Adjust L331 so that the frequency at the test point is 153.84Hz ± 0.15Hz.

ADJUSTMENT <HR>

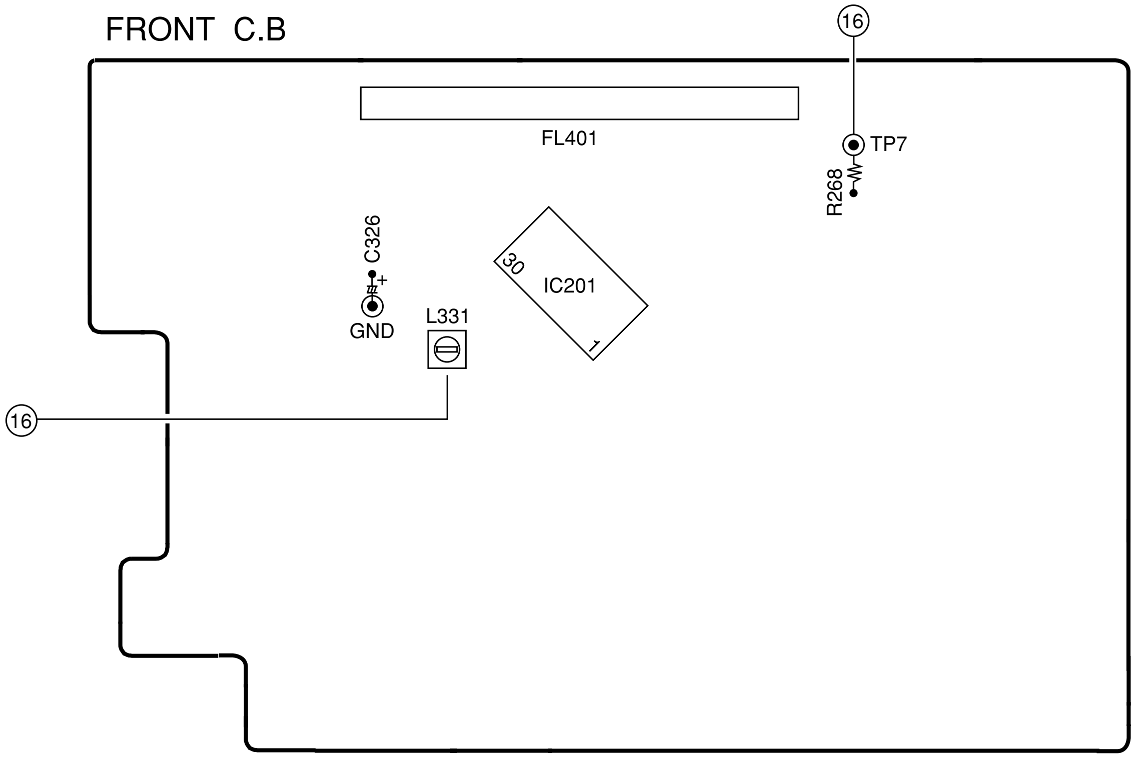
MAIN C.B



DECK C.B



FRONT C.B



< TUNER SECTION >

1. Clock frequency Check
   Settings : • Test point : TP2
   Method : Set to WM 1602kHz and check that the test point is 2052kHz ± 45Hz.

2. MW VT Adjustment
   Settings : • Test point : TP1 (VT)
   • Adjustment location : L953
   Method : Set to MW 1710kHz, 530kHz and adjust L953 so that the test point is 8.0V ± 0.05V (1710kHz) and more than 0.3V (530kHz).

3. SW VT Adjustment
   Settings : • Test point : TP1 (VT)
   • Adjustment location : L942
   Method : Set to SW 17.9MHz, 5.73MHz and adjust L942 so that the test point is 8.0V ± 0.05V (17.9MHz) and more than 0.3V (5.9MHz).

4. FM VT Check
   Settings : • Test point : TP1 (VT)
   Method : Set to FM 87.5MHz, 108.0MHz and check that the test point is more than 0.5V (87.5MHz) and less than 8.0V (108.0MHz).

5. MW Tracking Adjustment
   Settings : • Test point : TP8(Lch), TP9(Rch)
   • Adjustment location :
   L952 .... 603kHz
   TC941 ....1404khz
   Method : Set to MW 603kHz and adjust L952 so that the level at the test point becomes maximum.
   Next, set to MW 1404kHz and adjust TC941 so that the level at the test point becomes maximum.

6. SW Tracking Adjustment
   Settings : • Test point : TP8(Lch), TP9(Rch)
   • Adjustment location :
   L941 .... 5.9MHz
   TC943 ....17.9Mhz
   Method : Set to SW 5.9MHz and adjust L941 so that the level at the test point becomes maximum.
   Next, set to SW 17.9MHz and adjust TC943 so that the level at the test point becomes maximum.

7. FM Tracking Check
   Settings : • Test point : TP8(Lch), TP9(Rch)
   Method : Set to FM 98.0MHz and check that the test point is less than 9dBμV.

8. AM IF Adjustment
   Settings : • Test point : TP8(Lch), TP9(Rch)
   • Adjustment location :
   L802 .... 999kHz

9. DC Balance / Mono Distortion Adjustment
   Settings : • Test point : TP3, TP4 (DC Balance)
   : TP8(Lch), TP9(Rch) (Distortion)
   • Adjustment location : L801
   • Input level : 60dBμV
   Method : Set to FM 98.0MHz and adjust L801 so that the voltage between TP3 and TP4 becomes 0V ± 0.3V.
   Next, check that the distortion is less than 1.3%.

< DECK SECTION >

10. Tape Speed Adjustment (DECK 2)
    Settings : • Test tape : TTA–100
    • Test point : TP8(Lch), TP9(Rch)
    • Adjustment location : SFR1
    Method : Play back the test tape and adjust SFR1 so that the frequency counter reads 3000Hz ± 5Hz and ±45Hz (REV) with respect to forward speed.

11. Head Azimuth Adjustment (DECK 1, DECK 2)
    Settings : • Test tape : TTA–330
    • Test point : TP8(Lch), TP9(Rch)
    • Adjustment location : Head azimuth adjustment screw
    Method : Play back (FWD) the 8kHz signal of the test tape and adjust screw so that the output becomes maximum. Next, perform on REV PLAY mode.

12. PB Frequency Response Check (DECK 1, DECK 2)
    Settings : • Test tape : TTA–300
    • Test point :TP8(Lch), TP9(Rch)
    Method : Play back the 315Hz and 8kHz signals of the test tape and check that the output ratio of the 8kHz signal with respect to that of the 315Hz signal is within 5dB.

13. PB Sensitivity Check (DECK 1, DECK 2)
    Settings : • Test tape : TTA–200
    • Test point : TP8(Lch), TP9(Rch)
    Method : Play back the test tape and check that the output level of the test point is 140mV ± 3dB.

14. REC/PB Frequency Response Adjustment (DECK 2)
    Settings : • Test tape : TTA–602
    • Test point : TP8(Lch), TP9(Rch)
    • Input signal : 1kHz / 8kHz (LINE IN)
    • Adjustment location : SFR451 (Lch)
    SFR452 (Rch)
    Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP8, TP9 becomes -20VU. Record and play back the 1kHz and 8kHz signals and adjust SFRs so that the output of the 8kHz signals becomes 0dB ± 0.5dB with respect to that of the 1kHz signal.

15. REC/PB Sensitivity Check (DECK 2)
    Settings : • Test tape : TTA–602
    • Test point : TP8(Lch), TP9(Rch)
    • Input signal : 1kHz (LINE IN)
    Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at TP8, TP9 becomes 0VU. Record and play back the 1kHz signals and check that the output is –2dB ± 3.0dB.

< FRONT SECTION >

16. μ-CON OSC Adjustment
    Settings : • Test point : TP7 and GND
    • Adjustment location : L331
    Method : Insert AC plug while pressing POWER and TUNER function keys. Adjust L331 so that the frequency at the test point is 153.84Hz ± 0.15Hz.

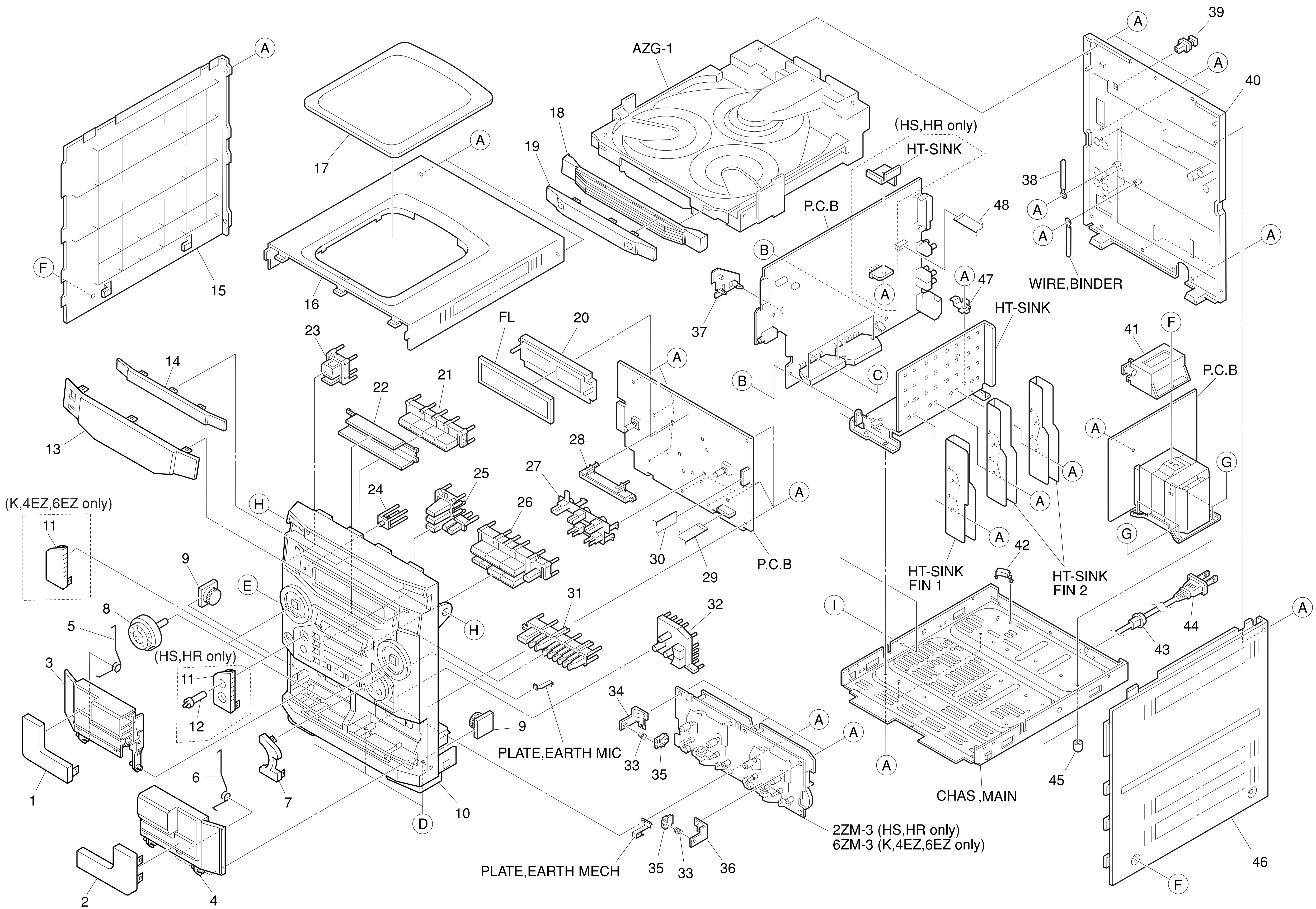
MECHANICAL MAIN PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

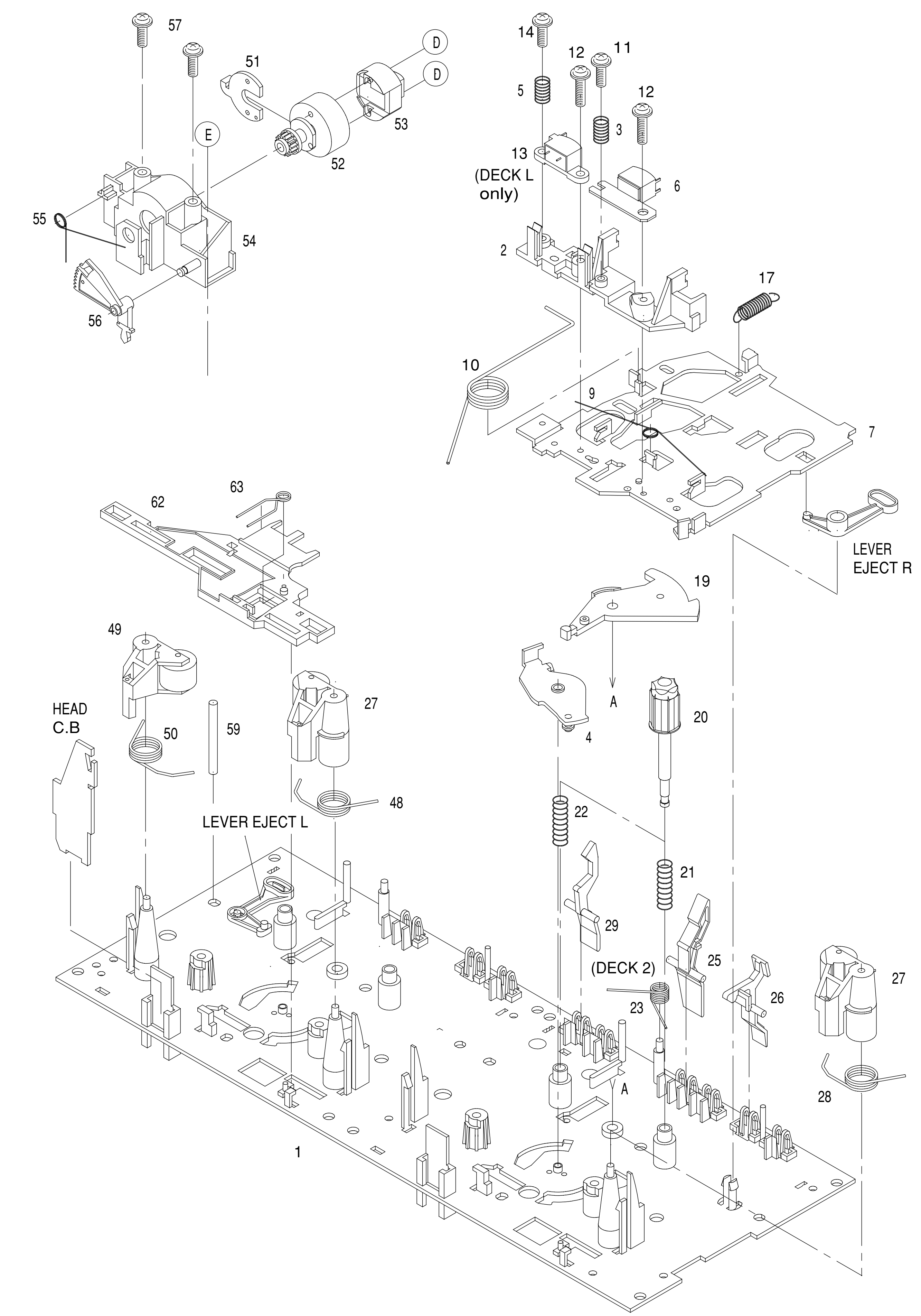
REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NFJ-012-010		WINDOW,CASS 1
2	8A-NFJ-013-010		WINDOW,CASS 2
3	8A-NFJ-035-010		BOX,CASS 1H
4	8A-NFJ-003-010		BOX,CASS 2 U<K,4EZ,6EZ>
4	8A-NFJ-036-010		BOX,CASS 2H<HS,HR>
5	8A-NF8-207-010		SPR-T,EJECT 1<K,4EZ,6EZ>
5	82-NF5-218-010		SPR-T,EJECT 1(SIN)<HS,HR>
6	8A-NF8-208-010		SPR-T,EJECT 2<K,4EZ,6EZ>
6	82-NF5-219-010		SPR-T,EJECT 2(SIN)<HS,HR>
7	8A-NFJ-005-010		WINDOW,FR 2
8	8A-NFJ-017-010		KNOB,RTRY JOG
9	8Z-NF6-210-010		DMPR,150 N<HS,HR>
9	8A-NF8-209-010		OIL-DMPR,120<K,4EZ,6EZ>
10	8A-NFJ-044-010		CABI,FR 54E<K,4EZ>
10	8A-NFJ-034-010		CABI,FR E<6EZ>
10	8A-NFJ-033-010		CABI,FR H<HS,HR>
11	8A-NFJ-004-010		WINDOW,FR 1<K,4EZ,6EZ>
11	8A-NFJ-006-010		WINDOW,FR 1H<HS,HR>
12	8A-NFJ-026-010		KNOB,RTRY MIC<HS,HR>
13	8A-NFJ-040-010		WINDOW,DISP E<6EZ>
13	8A-NFJ-039-010		WINDOW,DISP H<EXCEPT 6EZ>
14	8A-NFJ-008-010		WINDOW,CD
15	8A-NF8-007-010		PANEL,LEFT V-2
16	8A-NF8-005-010		PANEL,TOP
17	8A-NF8-006-010		WINDOW,TOP
18	8A-NFJ-009-010		PANEL,TRAY
19	8A-NFJ-010-010		WINDOW,TRAY
20	88-NF8-205-010		GUIDE,FL
21	8A-NFJ-018-010		KEY,FUN
22	8A-NFJ-016-010		REFLECTOR,FUN
23	8A-NFJ-014-010		KEY,POWER
24	8A-NFJ-015-010		REFLECTOR,ECO
25	8A-NFJ-019-010		KEY,GEQ
26	8A-NFJ-029-010		KEY,ASSY OPE REV
27	8A-NF8-203-010		GUIDE,OPE REV
28	8A-NF8-201-010		GUIDE,FUN
29	88-911-101-110		FF-CABLE,11P 1.25<K,4EZ,6EZ>
29	88-915-101-110		FF-CABLE.15P 1.25 100MM<HS,HR>
30	88-913-301-110		FF-CABLE,13P-1.25
31	8A-NFJ-031-010		KEY,CD EDIT E<6EZ>
31	8A-NFJ-030-010		KEY,CD EDIT H<HS,HR>
31	8A-NFJ-025-010		KEY,CD EDIT U<K,4EZ>
32	8A-NFJ-027-010		KEY,DISC
33	86-NF9-224-010		SPR-C,LOCK
34	87-NF4-216-010		HLDR,LOCK 1
35	82-NF5-229-010		PLATE,LOCK(*)
36	87-NF4-217-110		HLDR,LOCK 2
37	8A-NF8-206-010		HLDR,PWB M
38	87-064-185-010		HLDR,WIRE PVC 0.5
39	84-ZG1-245-210		CAP,OPTICAL
40	8A-NFJ-065-010		CABI,REAR EZSFD<4EZ>
40	8A-NFJ-066-010		CABI,REAR EZSFD R<6EZ>
40	8A-NF8-075-110		CABI,REAR HS W/O SPEC<HS>
40	8A-NFJ-064-010		CABI,REAR KSFD<K>
41	8A-DB8-209-010		HLDR,PWB PT
42	87-NF4-221-010		HLDR,CABLE
⚠ 43	87-085-185-010		BUSHING,AC CORD(E) CM-22B
⚠ 44	87-A80-143-010		AC CORD ASSY,E BLK<K>
⚠ 44	87-A80-157-010		AC CORD ASSY,E BLK CC<HR>
⚠ 44	87-A80-092-010		AC CORD ASSY,E BLK SUN FAI<4EZ,6EZ>
⚠ 44	87-A80-155-010		AC CORD ASSY,HS TS<HS>
45	8Z-NB8-240-010		COVER, PL
46	8A-NF8-008-010		PANEL,RIGHT V-2
47	8A-NF8-205-010		HLDR,IC
48	88-906-251-110		FF-CABLE.6P 1.25
A	87-067-703-010		BVT2+3-10 W/0 SL0T
B	87-NF4-224-010		S-SCREW,IT3B+3-8 CU
C	87-067-581-010		BVT2+3-15 W/0 SL0T
D	87-067-688-010		BVTT+3-6
E	87-723-096-410		QT2+3-10 W/O SLOT BLK
F	87-067-641-010		UTT2+3-8 W/O SLOT BLK
G	87-078-191-010		S-SCREW,IT+4-10 SWCH12A
H	87-721-097-410		QT2+3-12 W/O SLOT
I	87-721-096-410		QT2+3-10 W/O SLOT

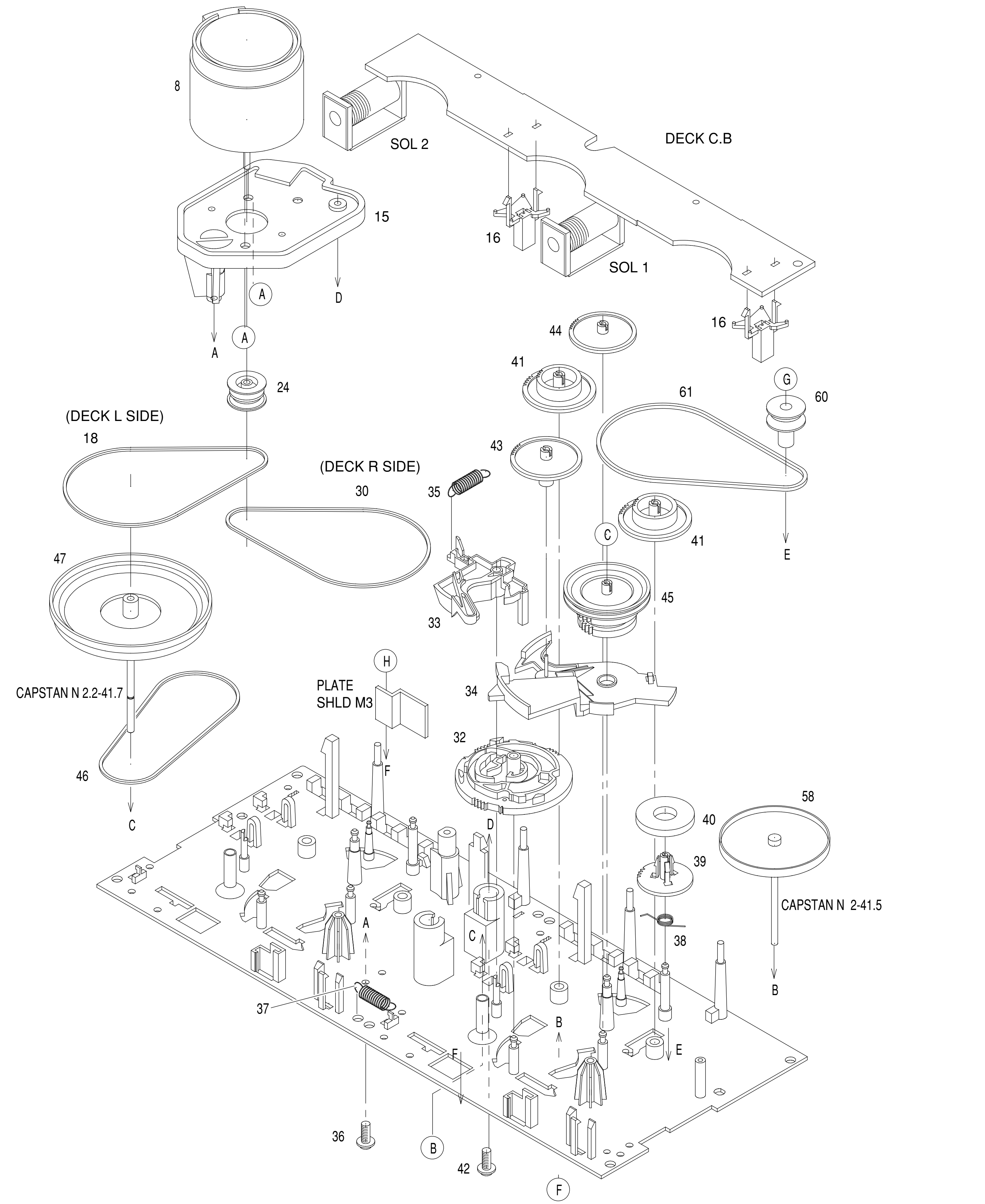
COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink


AZG-1
(HS,HR only)
HT-SINK
P.C.B
WIRE,BINDER
HT-SINK
FL
HT-SINK FIN 1
HT-SINK FIN 2
(K,4EZ,6EZ only)
(HS,HR only)
PLATE,EARTH MIC
CHAS ,MAIN
2ZM-3 (HS,HR only)
6ZM-3 (K,4EZ,6EZ only)
PLATE,EARTH MECH

MECHANISM EXPLODED VIEW 1/1 <EZ, K: 6ZM-3 PR2NM>





MECHANISM MAIN PARTS LIST 1/1 <EZ, K: 6ZM-3 PR2NM>

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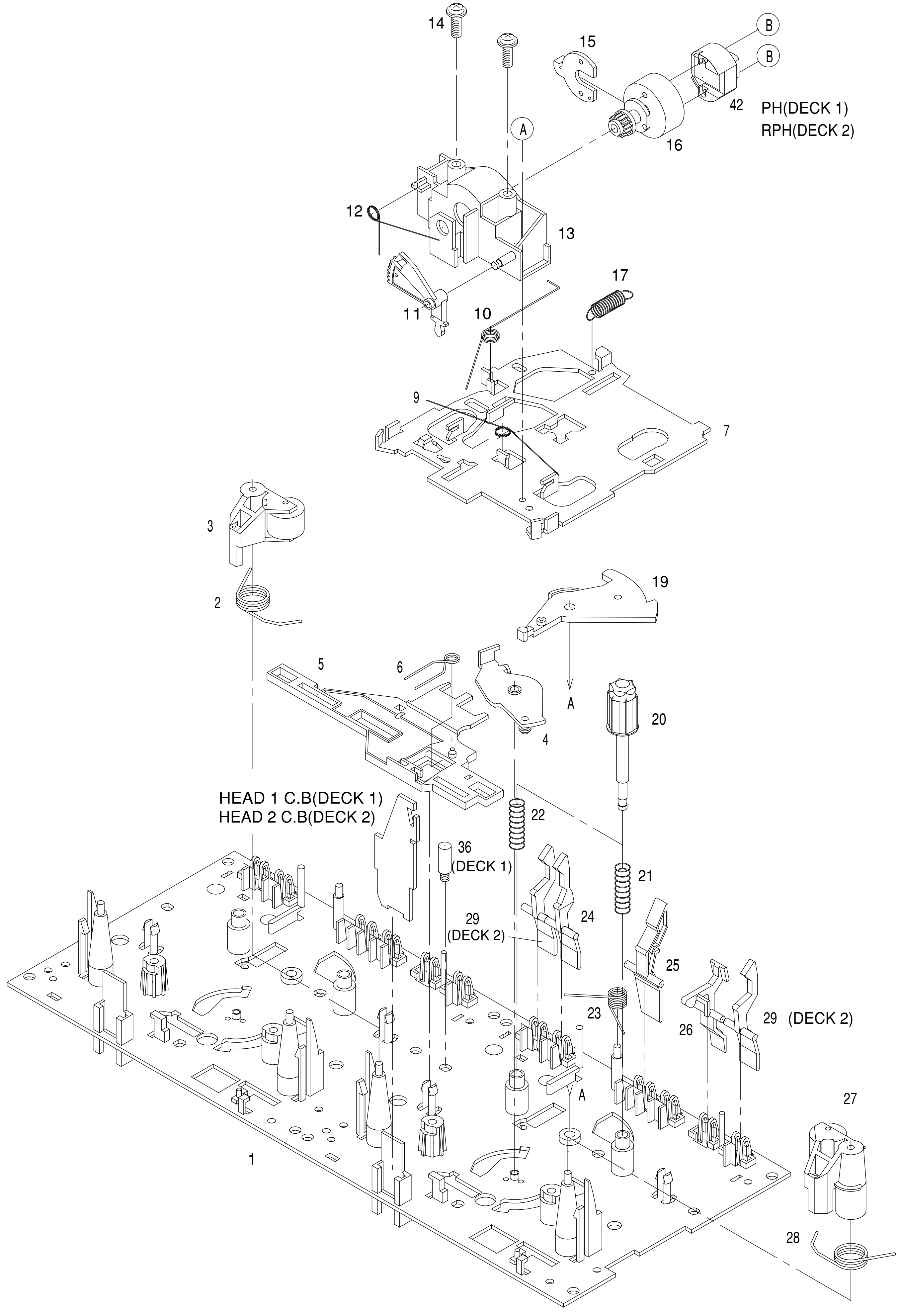
REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	86-ZM3-215-010		CHAS ASSY,RS
2	86-ZM3-202-010		BASE,HEAD S
3	86-ZM3-205-010		SPR-C,RPH S
4	82-ZM1-333-210		PLATE,LINK 2
5	86-ZM3-206-010		SPR-C,EH S
6	87-A90-403-010		HEAD,RPH MS15R
7	86-ZM3-201-010		CHAS,HEAD S(DECK L)
7	82-ZM3-206-210		BELT,R
8	87-045-347-010		MOT,SHU2L 70(M1)
9	82-ZM1-269-210		SPR-T,BRG
10	82-ZM1-219-110		SPR-T,LINK
11	86-ZM3-209-010		S-SCREW,ASIMUTHS
12	86-ZM3-207-010		S-SCREW,RPH
13	87-A90-404-010		HEAD,EH LE15B
14	86-ZM3-208-010		S-SCREW,EH
15	86-ZM3-203-010		HLDR,MOTS
16	82-ZM1-245-210		HLDR,IC
17	82-ZM1-218-010		SPR-E,HB
18	86-ZM3-214-010		BELT,SUB RR
19	82-ZM1-222-210		LVR,PLAY
20	82-ZM1-217-410		REEL TABLE
21	82-ZM1-244-510		SPR-C,BT
22	82-ZM1-285-410		SPR-C,BT L
23	82-ZM1-257-010		SPR-T,CAS
24	82-ZM3-221-010		PULLEY,MOT 2M
25	82-ZM1-242-010		LVR,CAS
26	82-ZM1-243-010		LVR,STOP
27	82-ZM1-344-110		LVR ASSY,PINCH
28	86-ZM3-204-010		SPR-T,PINCHDS
29	82-ZM1-240-110		LVR,REC (DECK 2)
30	86-ZM3-210-010		BELT,RS
32	82-ZM3-305-110		GEAR,CAM M2
33	82-ZM1-227-310		LVR,TRIG
34	82-ZM3-306-110		LVR,FR M2
35	82-ZM1-265-110		SPR-E,TRIG
36	87-761-073-410		VFT2+2.6-6 W/O SLOT
37	82-ZM1-255-310		SPR-E,LVR DIR
38	82-ZM1-322-010		SPR-T,FR60
39	82-ZM1-220-210		GEAR,IDLER
40	82-ZM3-616-010		RING MAGNET 4
41	82-ZM1-216-310		GEAR,REEL
42	86-ZM3-213-010		S-SCREW,HLDR,MOT 3
43	82-ZM1-225-210		GEAR,FR
44	82-ZM1-226-010		GEAR,REW
45	82-ZM3-333-310		SLIP DISK ASSY 2
46	82-ZM1-338-010		BELT FR4
47	82-ZM1-349-010		FLY-WHL RW (DECK L)
47	82-ZM3-338-010		FLY-WHL R3W (DECK R)
48	82-ZM1-259-210		SPR-T,PINCH R
49	82-ZM1-341-110		LVR ASSY,PINCH L2
50	82-ZM1-258-210		SPR-T,PINCH L
51	82-ZM1-314-110		PLATE,HEAD
52	82-ZM1-208-310		HLDR,HEAD
53	87-A90-366-010		HEAD,PH YK50P-BF414
54	82-ZM1-207-810		GUIDE TAPE
55	82-ZM1-213-010		SPR-T,HEAD
56	82-ZM1-210-110		GEAR,HT
57	86-ZM4-206-010		S-SCREW AZIMUTH L
58	82-ZM1-348-010		FLY-WHL,LW
59	82-ZM3-339-010		SHAFT,COUPLER N3
60	82-ZM3-335-210		PULLEY,COUPLER M3
61	86-ZM1-206-010		BELT,MAIN L
62	82-ZM1-266-110		LVR,DIR
63	82-ZM1-214-010		SPR-T,DIR
A	87-251-071-410		U+2.6-4
B	80-ZM6-243-010		SH,1.75-3.6-0.5 SLT
C	82-ZM3-334-010		PW,2.16-6-0.4
D	80-ZM6-207-010		V+1.6-7
E	85-ZM3-202-010		S-SCREW TG
F	82-ZM1-288-010		SH,1.63-3.2-0.5 SLT
G	87-B10-043-010		W-P,0.99-4-0.25 SLT
H	87-571-032-410		VIT+2-3

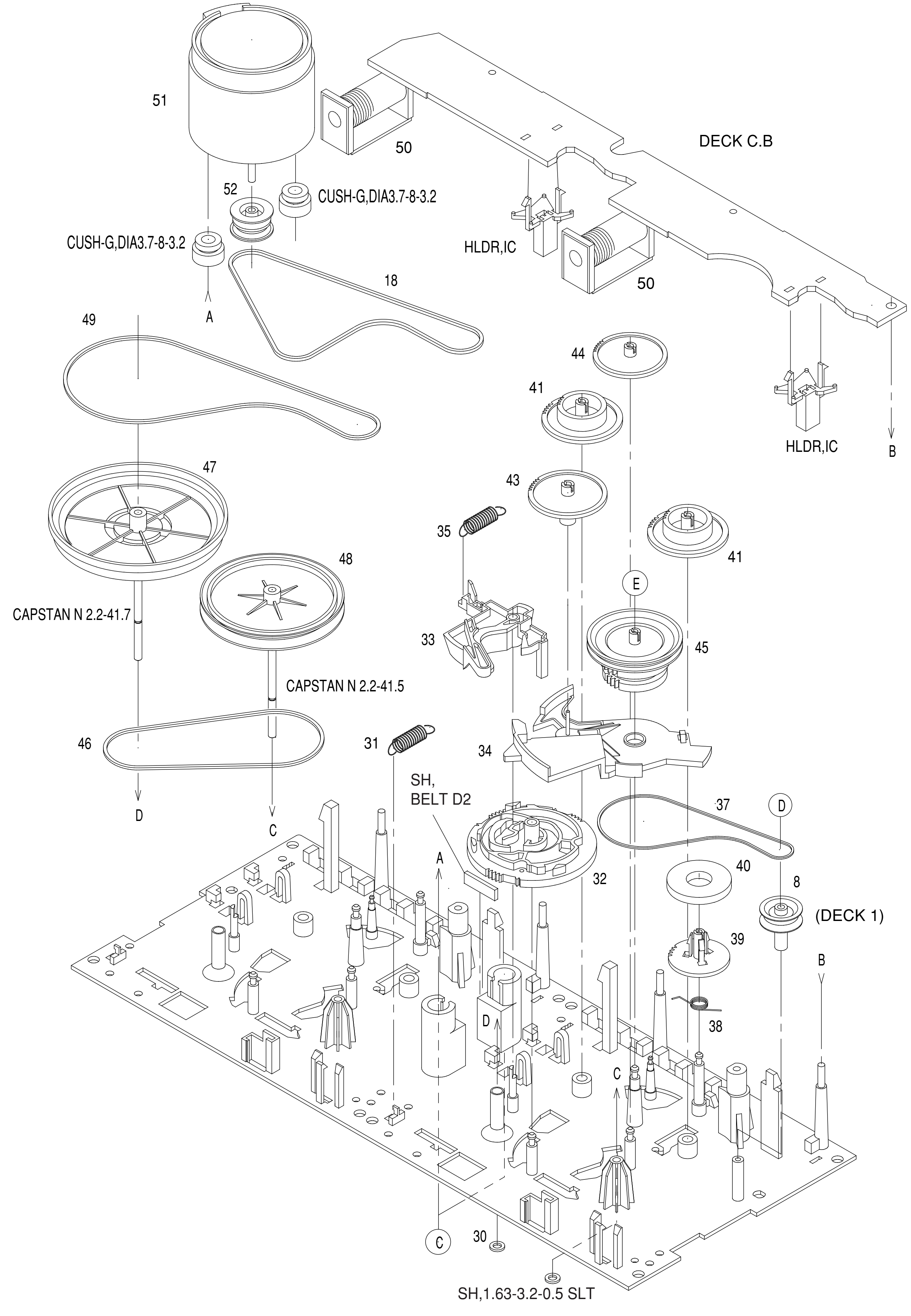
MECHANISM MAIN PARTS LIST 1/1 <HS, HR: 2ZM-3MK2 PR4NM>

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	82-ZM3-301-610		CHAS ASSY,M2
2	82-ZM1-258-210		SPR-T,PINCH L
3	82-ZM1-341-210		LVR ASSY,PINCH L2
4	82-ZM1-333-210		PLATE,LINK2
5	82-ZM1-266-310		LVR,DIR
6	82-ZM1-214-010		SPR-T,DIR
7	82-ZM1-206-910		CHAS,HEAD
8	82-ZM3-335-310		PULLEY,COUPLER M3
9	82-ZM1-269-210		SPR-T,BRG
10	82-ZM1-219-110		SPR-T,LINK
11	82-ZM1-210-110		GEAR,H T
12	82-ZM1-213-010		SPR-T,HEAD
13	82-ZM1-207-910		GUIDE,TAPE
14	86-ZM4-206-010		S-SCREW,AZIMUTH L
15	82-ZM1-314-110		PLATE,HEAD
16	82-ZM1-208-310		HLDR,HEAD
17	82-ZM1-218-010		SPR-E,HB
18	82-ZM3-342-010		BELT,SBU MOT 3
19	82-ZM1-222-210		LVR,PLAY
20	82-ZM1-217-410		REEL TABLE
21	82-ZM1-244-510		SPR-C,BT
22	82-ZM1-285-410		SPR-C,BT L
23	82-ZM1-257-010		SPR-T,CAS
24	82-ZM1-241-310		LVR,MC
25	82-ZM1-242-010		LVR,CAS
26	82-ZM1-243-010		LVR,STOP
27	82-ZM1-344-010		LVR ASSY,PINCH R2
28	82-ZM1-259-210		SPR-T,PINCH R
29	82-ZM1-240-110		LVR,REC(*)
30	80-ZM6-243-010		SH 1.75-3.6-0.5 SLT
31	82-ZM1-255-310		SPR-E,LVR DIR
32	82-ZM3-305-210		GEAR,CAM M2
33	82-ZM1-227-310		LVR,TRIG
34	82-ZM3-306-110		LVR,FR M2
35	82-ZM1-265-310		SPR-E,TRIG
36	82-ZM3-339-110		SHAFT,COUPLER N3
37	86-ZM1-206-010		BELT,MAIN L
38	82-ZM1-322-010		SPR-T,FR 60
39	82-ZM1-220-210		GEAR,IDLER
40	82-ZM3-616-010		RING MAGNET 4
41	82-ZM1-216-410		GEAR,REEL
42	87-A90-820-010		HEAD,PH HADKH25 FPC
42	87-A90-821-010		HEAD,RPH HADKH56 FPC
43	82-ZM1-225-210		GEAR,FR
44	82-ZM1-226-010		GEAR,REW
45	82-ZM3-333-310		SLIP DISK ASSY 2
46	82-ZM1-338-110		BELT,FR 4
47	82-ZM1-349-110		FLY-WHL,R W
47	82-ZM1-348-110		FLY-WHL,L W
48	82-ZM3-338-310		FLY-WHL,R3W
49	82-ZM3-329-410		BELT,SBU R2
50	82-ZM1-618-410		SOL ASSY,27
51	87-045-347-010		MOT,SHU2L 70
52	82-ZM3-221-210		PULLEY,MOT 2M
A	85-ZM3-202-010		S-SCREW,TG
B	80-ZM6-207-010		V+1.6-7
C	82-ZM3-318-110		S-SCREW W,MOTOR M2
D	87-B10-043-010		W-P,0.99-4-0.25 SLT
E	82-ZM3-334-010		PW 2.16-6-0.4

MECHANISM EXPLODED VIEW 1/1 <HS, HR: 2ZM-3MK2 PR4NM>

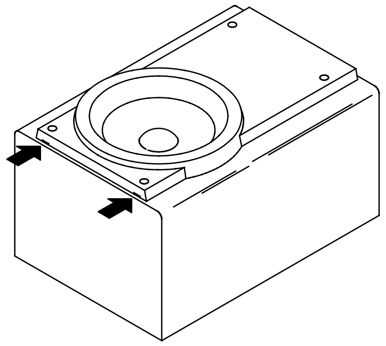




SPEAKER DISASSEMBLY INSTRUCTIONS

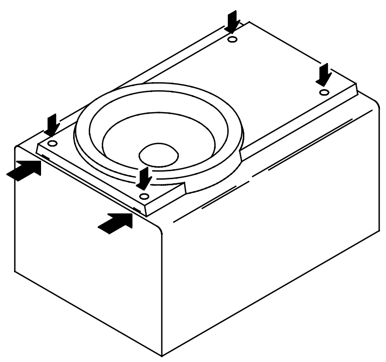
Type.1

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.



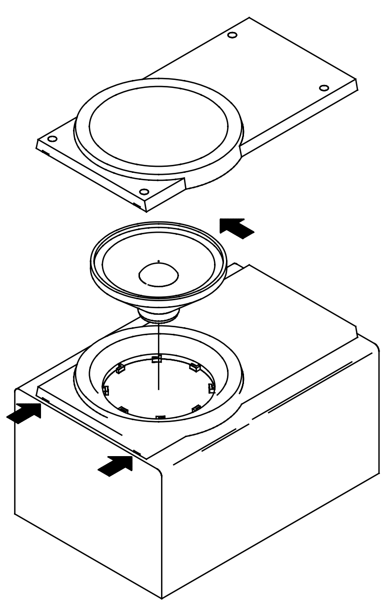
Type.2

Remove the grill frame and four pieces of rubber caps by pulling out with a flat-bladed screwdriver. Remove the screws from hole where installed rubber caps. Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.

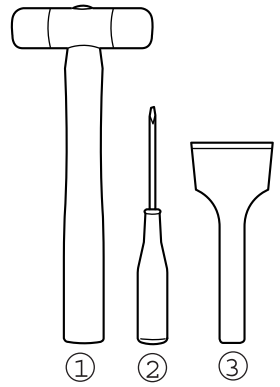


Type.3

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Turn the speaker unit to counter-clockwisedirection while inserting a flat-bladed screwdriver into one of the hollows around speaker unit, and then remove the speaker unit. After replacing the speaker unit, install it turning to clockwise direction until "click" sound comes out.



Type.4



TOOLS
① Plastic head hammer
② (⊖) flat head screwdriver
③ Cut chisel

How to Remove the PANEL, FR

1. Insert the (⊖) flat head screwdriver tip into the gap between the PANEL, FR and the PANEL, SPKR. Tap the head of the (⊖) flat head screwdriver with the plastic hammer head, and create the clearance as shown in Fig-1.

2. Insert the cut chisel in the clearance, and tap the head of the cut chisel with plastic hammer as shown in Fig-2, to remove the PANEL, FR.

3. Place the speaker horizontally. Tap head of the cut chisel with plastic hammer as shown in Fig-3, and remove the PANEL, FR completely.

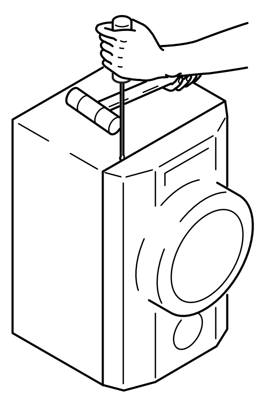


Fig-1

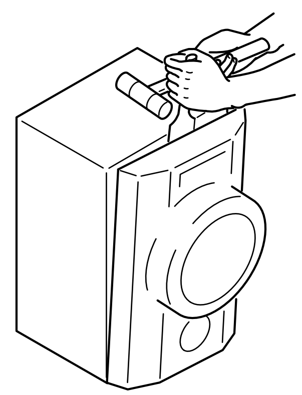


Fig-2

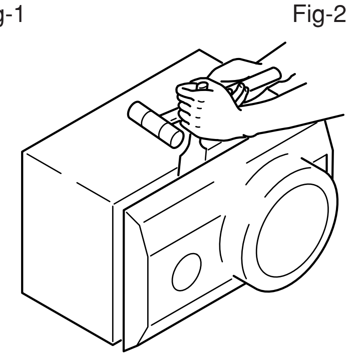


Fig-3

How to Attach the PANEL, FR

Attach the PANEL, FR to the PANEL, SPKR. Tap the four corners of the PANEL, FR with the plastic hammer to fit the PANEL, FR into the PANEL, SPKR completely.

SPEAKER (SX-WNBL56) <56EZ> PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8A-NS5-016-010		PANEL,FR U
2	8A-NS5-017-010		PLATE,NAME B
3	8A-NS5-004-010		PANEL,DUCT
4	8A-NS5-009-010		PROTECTOR,
5	8A-NS5-018-010		GRILLE,FRAME ASSY RDS
6	8A-NS5-015-010		BADGE,AIWA S35
7	8Z-NSY-003-010		CORD,BUSH
8	88-NS3-029-010		CORD,BUSH L
9	88-NS5-610-010		CORD,SPKR
10	88-NS5-611-010		CORD,SPKR B/L
11	8Z-NSY-608-010		SPKR, CERAMIC ASSY
12	8A-NS8-604-010		SPKR, M 100
13	8Z-NS7-602-010		SPKR, W 160

SPEAKER (SX-WNBL53) <Except 56EZ> PARTS LIST

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10	88-NS5-611-010		CORD,SPKR B/L
11	8Z-NSY-608-010		SPKR, CERAMIC ASSY
12	8A-NS8-604-010		SPKR, M 100
13	8Z-NS7-602-010		SPKR, W 160

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